

**CURRICULUM VITAE**

**Lisa M. Harrison-Bernard, PhD, FAHA, FASN, FAPS**



**Current Title:** Professor with Tenure  
**Business Address:** Louisiana State University Health Sciences Center  
 School of Medicine  
 Department of Physiology  
 Lions Eye Building  
 2020 Gravier Street, Rm 725  
 New Orleans, Louisiana 70112-1393  
**Business Telephone and Fax:** (504) 568-6175  
 (504) 568-6158  
**Business Email Address:** lharris@lsuhsc.edu

**Education:**

**Undergraduate** 1984 B.A. Biology  
 University of New Orleans; New Orleans, Louisiana  
**Graduate** 1990 Ph.D. Physiology  
 Tulane University; New Orleans, Louisiana  
 Dissertation: *Chronic vs acute hemodynamic effects of atrial natriuretic factor in conscious rats*  
 Mentors: R. Wayne Barbee and Richard C. Vari  
**Postdoctoral Fellowships**  
 Department of Physiology  
 Tulane University School of Medicine; New Orleans, Louisiana  
 1990 – 1993 Mentor: Pamela K. Carmines, Ph.D.  
 1993 – 1994 Mentor: L. Gabriel Navar, Ph.D.

**Academic, Professional, and Research Appointments**

1994 - 1996 Instructor; Department of Physiology  
 Tulane University School of Medicine  
 1996 - 2003 Assistant Professor; Department of Physiology  
 Tulane University School of Medicine  
 07/2003 - 12/2003 Associate Professor; Department of Physiology  
 Tulane University School of Medicine  
 01/2004 - 06/2007 Associate Professor; Department of Physiology  
 Louisiana State University Health Sciences Center  
 01/2004 - 06/2024 Adjunct Associate Professor, Department of Physiology  
 Tulane University School of Medicine  
 07/2007 - 06/2019 Tenured Associate Professor; Department of Physiology  
 Louisiana State University Health Sciences Center  
 04/2017 - 06/2019 Adjunct Associate Professor; School of Nursing  
 Louisiana State University Health Sciences Center  
 08/2017 - 06/2019 Adjunct Associate Professor; Cardiovascular Center  
 Louisiana State University Health Sciences Center  
 07/2019 - Present Tenured Professor; Department of Physiology  
 Louisiana State University Health Sciences Center

07/2019 - Present	Adjunct Professor; School of Nursing Louisiana State University Health Sciences Center
07/2019 - Present	Adjunct Professor; Cardiovascular Center Louisiana State University Health Sciences Center
07/2024 - Present	Adjunct Professor; Department of Physiology Tulane University School of Medicine

### Membership in Professional Organizations

1988 - Present	American Physiological Society - Membership ID: 00007022 Primary Affiliation – Teaching of Physiology Section Secondary Affiliation – Section on Water & Electrolyte Homeostasis Tertiary Affiliation - Renal Section
1991 - 2015	American Heart Association (AHA) - Council on Kidney in Cardiovascular Disease
1991 - 2015	AHA - Council for High Blood Pressure Research
1993 - 2012	American Society of Nephrology
1999 - 2005	International Society of Nephrology
1993 - 2011	Women in Nephrology
1998 - 2015	AHA - Council for High Blood Pressure Research Fellow
2004 - 2005	American Society of Hypertension
2010 - Present	National Association for Women in Science, Southern Louisiana Chapter
2017 - 2018	International Association of Medical Science Educators

### Professional Society Leadership

1999 - 2001	American Physiological Society (APS), Women in Physiology
2001 - 2015	American Heart Association (AHA), Council on the Kidney and Cardiovascular Disease Programming
2002 - 2003	Gulf Coast American Physiological Society, Councilor
2003 - 2005	APS, Membership
2003 - 2011	American Society of Nephrology, Women in Nephrology Programming
2005 - 2007	APS, Chair of the Membership Committee - Annual Attendance to APS Summer Council Meeting in Bethesda, MD and 2005 APS Strategic Planning Meeting in Houston, TX
2006 - 2012	AHA Council for High Blood Pressure Research (CHBPR) Membership
2008 - 2010	APS, Education
2010 - 2012	AHA CHBPR Fall Conference
2011	AHA CHBPR Fall Conference - Diabetes
2011 - 2013	2013 FASEB Summer Conference on Renal Hemodynamics Programming
2012 - 2013	AHA CHBPR Programming
2013 - Present	Association for Women in Science South Louisiana Chapter (AWIS-SL) Chair of Awards
2012 - 2016	AWIS-SL Secretary
2019 - 2024	APS Diversity, Equity, and Inclusion Committee
2020 - 2024	AWIS-SL President
2023 - Present	APS Center for Physiology Education Subcommittee on Physiology Educators for Professional Programs (PEPP)
2025	AWIS-SL Early Career Travel Award

### **Session Chair of Scientific Conferences**

1998	Experimental Biology (EB); Chair - Renin-Angiotensin
2000	American Society of Nephrology (ASN); Chair - Vascular Physiology
2000	American Heart Association (AHA); Moderator - Peptide Hormones in Heart and Renal Dysfunction
2002	EB; Symposium Organizer, Chair, and Speaker - Functional Heterogeneity in the Renal Microcirculation, Topic "Angiotensin responses in the renal microvasculature"
2002	ASN; Moderator - Symposium Entitled Advances in Understanding the Biology of the Renin-Angiotensin System
2003	EB; Chair - Insights on renal function and blood pressure control from genetically manipulated animals
2005	AHA Council for High Blood Pressure Research (CHBPR); Moderator - Renin Angiotensin System and Renal Function
2006	EB; Symposium Organizer and Chair - Obesity and Renal Disease
2006	AHA CHBPR Poster Session Moderator - Angiotensin Receptors and Signal Transduction
2006	ASN; Symposium Moderator - Mechanisms Underlying Exercise Attenuation of Cardiovascular Risk
2006	ASN; Chair - Novel Pathways Mediating Angiotensin II Effects on the Kidney
2007	FASEB Summer Research Conference Renal Hemodynamics: Biomolecular Control Mechanisms Integrating Vascular & Tubular Function, Chair Featured "Hot-Topic" Presentation
2008	AHA CHBPR, Poster Session Moderator - Regulation of Renin-Angiotensin System
2008	AHA CHBPR, Session Co-Chair - Angiotensin Receptors and Signal Transduction
2009	EB; Chair - Renal Hemodynamics
2010	EB; Symposium Organizer and Chair - Mouse Models of Diabetic Renal Disease
2010	AHA CHBPR, Session Co-Chair - Vascular and Renal Signaling
2011	AHA CHBPR, Session Chair - Diabetes
2013	AHA CHBPR, Session Co-Chair - Vascular Biology
2016	Society for Advancement of Chicanos and Native Americans in Science (SACNAS) Session Chair – Postdoctoral Presentations: Biology/Chemistry
2016	SACNAS Session Chair – Graduate Student Presentations: Biomedical Research
2016	SACNAS Session Chair and Participant - Conversations with Scientists - Pharmacology, Physiology and Pathology
2016	AHA Scientific Sessions, Session Chair – Aldosterone and Accomplices in "Salty Crime"
2018	EB; Symposium Organizer and Chair - Bioartificial Organs: Using Donor and Synthetic Scaffolds
2019	EB; Symposium Organizer and Chair – Translational Models of Renal and Cardiovascular Disease: Informing Human Health or Not?
2019	EB; Featured Topic Organizer and Chair - Innovative Techniques for Teaching Health Sciences to Increase Retention and Mastery Learning

### **Facilitator for Scientific Conferences**

2021	Peer-Onsite-Distance Mentoring for Underrepresented Minority Faculty for the National Hispanic Science Network Conference
------	---

## Abstract Reviewer for Scientific Conferences

1999, 2000, 2011 2013, 2014, 2015, 2018, 2019 2000	American Physiological Society (APS) Carol tum Suden Award  American Society of Nephrology (ASN); Vascular Physiology - Hemodynamics, Hypertension and Vascular Regulation
2002 - 2008	American Heart Association (AHA) - Endothelium and Vascular Tone, Cardiorrenal
2012 - 2023 2006	AHA - Renal Physiology and Pathophysiology ASN Review Category Chair - Mediators, Signaling, Cell Growth, Apoptosis and Neoplasia: Hormones/Peptides/Growth Factors
2006, 2007, 2008, 2015 2012, 2013, 2014	AHA CHBPR - Renin Angiotensin System AHA CHBPR - Renal Hemodynamics & Renovascular Hypertension; Angiotensin Converting Enzymes, Renin and Prorenin, Renin Angiotensin System
2016, 2018-2025	AHA Hypertension Scientific Sessions - Renal Hemodynamics & Renovascular Hypertension; Renin Angiotensin System
2016	Annual Biomedical Research Conference for Minority Students – Physiology
2018, 2019, 2023 2024 2025	APS Horowitz/Horowitz Outstanding Undergraduate Abstract Award AHA – Nephrology AHA – Cardiovascular Kidney and Metabolic Health

## Awards and Honors

1980 - 1982 1984	T. H. Harris Scholarship Academic Achievement Award in Biological Science
1985 - 1990 1985 - 1990	Tulane University Graduate School Scholarship Supported by Institutional National Research Service Award
1994 - 1997 2001	NIH NHLBI National Research Service Award Postdoctoral Fellowship Elected Fellow of the American Heart Association - Council for High Blood Pressure Research
2004	American Society of Hypertension Young Scholars Award; Awards Lecture “Angiotensin II in the Regulation of the Renal Microvasculature: Lessons from Genetic Mouse Models”
2004 2007	Elected Fellow of the American Society of Nephrology American Physiological Society (APS) Research Career Enhancement Award for the Technical Training (\$4,000; 3 wks) of Charlotte Mehlin Sorensen, PhD, Assistant Professor, University of Copenhagen, DENMARK
2008	Distinguished Graduate Award, Saint Benilde Elementary School, Metairie, LA
2010	American Journal of Physiology: Renal Physiology Paper of the Year “Major role for ACE-independent intrarenal ANG II formation in type II diabetes”
2016	APS Teaching Career Enhancement Award for Attendance to Educational Workshops in Diversity
2018 2019	Elected Fellow of the APS LSUHSC School of Medicine Faculty Assembly Outstanding Mentor Award
2021	APS Publications 2020 Star Reviewer for Advances in Physiology Education
2022	Distinguished Alumnus of the Department of Physiology at Tulane University School of Medicine
2023, 2024	Nominated for the APS Presidential Service Award

2024	LSUHSC Chancellor's LSU Health Excellence Award
2025	LSUHSC School of Medicine Faculty Assembly Award: Outstanding Service in Community Engagement and Health Equity
2025	Nominated for the APS Claude Bernard Distinguished Lectureship

### **Diversity, Equity, and Inclusion**

*I am deeply committed to advancing diversity, equity, and inclusion among biomedical PhD students. Mentoring students, fellows, and faculty has been one of the most rewarding aspects of my career, and I take great pride in supporting the next generation of scientists. I have been fortunate to benefit from exceptional mentorship throughout my own professional journey, and I am especially passionate about paying that forward—particularly by mentoring women and individuals from groups historically underrepresented in the biomedical sciences. Helping them navigate their paths and achieve their career goals is both a privilege and a priority for me.*

### **Diversity and Inclusion Training**

04/11/2017	AAMC Everyday Bias Workshop for Healthcare Professions held at Vanderbilt University School of Medicine in Nashville, TN
03/08/2018	Created and presented the LSUHSC-NO PREP Diversity Workshop
06/01/2018	AAMC Group on Diversity and Inclusion Professional Development Conference held in New Orleans, LA
08/17/2018	Conversation on Race and Equity offered by the Racial Equity Institute held in New Orleans, LA
02/13/2019	AAMC Webinar: Transforming Institutional Culture: Assessment and Intervention
03/29/2019	McGraw Hill: The Equity Equation: How to Help Underserved Students Succeed
04/04/2019	LSUHSC Department of Psychiatry Barbara Lemann Lectureship; Addressing issues facing our children and community: The continuing need for cultural awareness by Dr. Russell T. Jones
05/31/2019	LSUHSC School of Nursing. Diversity, Inclusivity and Cultural Competency Training by Dr. Dereck J. Rovaris, Sr.
01/06/2020	The Ohio State University Kirwan Institute for the Study of Race and Ethnicity Online Implicit Bias Module Series
02/12/2020	LSUHSC School of Medicine: Creating an Inclusive Environment in the Laboratory
11/03/2021	Empowering People to Break the Bias Habit, Evidence-Based Approaches to Reduce Bias, Create Inclusion, and Promote Equity Virtual Workshop by William T. L. Cox, PhD
2/2023	Unconscious Bias: Understanding Bias to Unleash Potential. Franklin Covey, In-Person

### **Mentoring Training**

11/26/2019	Optimizing the Practice of Mentoring by National Research Mentoring Network (NRMN) and University of Minnesota Clinical and Translational Science Institute (CTSI), Online
11/18/2021	NRMN Unconscious Bias and Identity Certification, Online
01/24 - 01/28/2022	Center for the Improvement of Mentored Experiences in Research (CIMER) Train-the-Trainers Workshop: Facilitating Entering Mentoring, University of Wisconsin-Madison, Online
06/4, 11, 18/2024	CIMER Culturally Aware Mentoring Workshop, Online

### **Mentoring Workshops Directed**

03/17/2024 American Chemical Society Spring Scientific Meeting. Mentor Training for Graduate Students and Postdoctoral Fellows Workshop, New Orleans, LA  
03/23/2025 American Chemical Society Spring Scientific Meeting. Mentor Training for Graduate Students and Postdoctoral Fellows Workshop, San Diego, CA

### **Diversity Workshops Directed**

01/2018, 03/08/18 LSUHSC Professional Development Workshop on Diversity, Equity, Inclusion and Implicit Bias in Academia  
04/03/18, 05/15/18  
05/21/18, 11/06/18  
02/07/19, 04/25/19  
10/24/19, 12/09/20  
09/25/20, 10/02/20  
10/08/20 Race Around the Table for Dept of Physiology and Biochemistry  
Professional Development Workshop: Implicit Bias in Academia for Georgetown and Howard Universities Center for Clinical and Translational Science  
11/02/20 Professional Development Workshop: Implicit Bias in Academia for LSUHSC Occupation Therapy  
11/16/20 Professional Development Workshop: Diversity, Equity, and Inclusion in Academia for LSUHSC Occupation Therapy  
04/22/21 Professional Development Workshop: Diversity, Equity, Inclusion in Academia for Georgetown and Howard Universities Center for Clinical and Translational Science  
10/06/22 Professional Development Workshop: Microaggressions for Georgetown and Howard Universities Center for Clinical and Translational Science  
02/27/2023, 03/14/23  
04/10/23 Professional Development Workshop: Tools to Mitigate Microaggressions for LSUHSC Faculty, Staff, Trainees, and Students  
08/08/23 Professional Development Workshop: Tools to Mitigate Microaggressions for LSUHSC School of Allied Health Professions Faculty  
08/25/23 Professional Development Workshop: Recognizing and Mitigating Implicit Bias and Microaggressions for LSUHSC School of Allied Health Professions Audiology and Speech Language Pathology Students  
09/05/23 Professional Development Workshop: Recognizing and Mitigating Implicit Bias for Biology and Kinesiology Faculty, Centenary College of Louisiana  
09/12/23 Professional Development Workshop: Recognizing and Mitigating Microaggressions for Biology and Kinesiology Faculty, Centenary College of Louisiana  
09/09/24 Professional Development Workshop: Recognizing and Mitigating Microaggressions for Physician Assistant Students

### **TEACHING EXPERIENCE AND RESPONSIBILITIES**

*With over 25 years of experience teaching renal and cardiovascular physiology in health professional schools, I have had the privilege of educating students across a wide range of biomedical disciplines. Over the past 20 years as a faculty member at LSUHSC, I have taught students in nine academic programs spanning the Schools of Medicine, Graduate Studies, Nursing, Allied Health, and Dentistry. Additionally, I have provided comprehensive renal physiology reviews for Nephrology Fellows. Currently, I deliver over 50 hours of lecture annually to approximately 1,000 students across LSUHSC programs.*

*I have served as Course Director for Human Physiology courses tailored to Medical, Dental Hygiene, and Nursing students, and as Section Director for Integrative Renal Physiology for students in the Schools of Graduate Studies and Allied Health Professions. In these roles, I have restructured course content and lecture presentations to align with the specific educational needs and clinical applications relevant to each healthcare profession. I have prepared detailed learning objectives and course outcomes customized for each group of learners.*

*Teaching a diverse student body is both a challenge and a source of great fulfillment. I strive to deliver content with the appropriate depth and breadth required for each discipline, ensuring that students are well-prepared for clinical practice. Recently, I led the development of two Interprofessional Educational Experiences (IPEs): one on Acute Kidney Injury for graduate and allied health students, and another on End-Stage Renal Disease for the entire LSUHSC student population.*

*I am committed to continually advancing my knowledge of physiology and integrating innovative teaching methods to enhance student learning and remain an effective medical educator.*

### **Formal Course Responsibilities**

<b>Tulane University Health Sciences Center and Tulane University</b>						
<b>Course</b>	<b>Role</b>	<b>Number of Students</b>	<b>Semester</b>	<b>Lecture-Hours/Semester</b>	<b>Laboratory Hours/Semester</b>	<b>Years</b>
Experimental Physiology Laboratory	Facilitator	10	Spring	0	4	2002-2003
GCRC's Methods in Clinical Research	Lecturer	15	Fall	1	0	2003-2005
Graduate Student Renal Physiology	Lecturer	8	Summer	2	0	1995
Introduction to Medical Science for Biomedical Engineers	Lecturer	40	Spring	9	9	1999-2003
Medical Human Physiology	Lecturer	170 20	Summer	3 6 2	0	2003 1994-2003 2002-2003
Medical Human Physiology Laboratory	Assistant	150	Spring	1	38	1986-1995
Medical Human Physiology: Problem Based Learning	Facilitator	10/group	Spring	0	14	1993-2003

**Louisiana University Health Sciences Center**

School/Department	Course Number/Title	Role	Number of Students	Semester	Lecture Hours/Semester	Laboratory Hours/Semester	Years
Graduate Studies	<b>BIOMED121</b> Integrated Systems in Biomedical Sciences II	Lecturer	15	Spring	2	0	2025
Medicine	<b>CSI 100, 101, 200, 201</b> Clinical Skills Integration, Houses Mentorship Program: Rampart 8A	Mentor	20	Fall Spring	0	20	2017-2025
Allied Health	<b>CPSC 3220</b> Cardiopulmonary Physiology	Lecturer	30	Summer	4	0	2008-2011
Dental	<b>DENT 1115</b> Dental Human Physiology	Lecturer	65	Spring	8 6	0	2015 2016-2025
Dental	<b>DHY 3202</b> Dental Hygiene General and Oral Physiology	Director /Lecturer	42	Spring	4 1 3	0	2009, 2010 2011, 2012 2013, 2014
Nursing/Allied Health	<b>HLSC 2410</b> Nursing Human Physiology <b>HLSC 2410 and OCCT 6523</b> Nursing and Allied Health Human Physiology	Director/Co-Director /Lecturer	163 150	Fall Spring	12 15	8	2014 2015, 2016, 2019-2021
Nursing	<b>HLSC 2410</b> Nursing Human Physiology	Director /Lecturer	175	Fall Spring	13	0	2016-2025
Nursing	<b>HLSC 3410</b> Nursing Human Pathophysiology	Lecturer	100	Fall Winter Spring	2	0	2017-2025
Graduate Studies	<b>INTER 131</b> Graduate Student Biological Systems	Lecturer	20 30 20 50	Spring Fall	5	0	2006 2006 2007 2008, 2009
Graduate Studies	<b>INTER 131</b> Graduate Student Biological Systems	Section Director /Lecturer	50  75	Fall	5 5 6 8 8	0	2010, 2011 2011 2012 2013-2024

School/Department	Course Number/Title	Role	Number of Students	Semester	Lecture Hours/Semester	Laboratory Hours/Semester	Years
Graduate Studies	<b>INTER 200</b> Graduate Student Professionalism in Science	Lecturer	15	Fall	1	0	2023-2025
Graduate Studies	<b>INTER 260</b> Responsible Conduct of Research	Lecturer	15	Spring	1	0	2024-2025
Health Sciences	<b>IPEC 281</b> - Interprofessional Practice I	Facilitator Grader	700	Fall/Spring	0	14	2017-2021 2022-2025
Medicine	<b>MCLIN 236</b> Diseases and Therapy of the Renal System, 2 <sup>nd</sup> Year Students	Lecturer	205	Fall	2	8	2017-2025
Medicine	<b>Nephrology Fellows</b> on Overview of Renal Physiology	Lecturer	8	Fall	4 3	0	2008-2011 2014-2025
Nursing	<b>NURS 7405</b> Advanced Anatomy, Physiology and Pathophysiology for Nurse Anesthesia	Director	60	Spring	10		2022-2025
Medicine	<b>Pediatric Nephrology, Children's Hospital Fellows</b> on Overview of Renal Physiology	Lecturer	8	Spring	2	0	2023
Allied Health	<b>PHTH 7120, PHYSIO 6523</b> Biological Systems	Section Director	70	Spring	5	0	2025
Medicine	<b>PHYSIO 100</b> Medical Human Physiology; 1 <sup>st</sup> Year Students	Lecturer  Co-Director	200  200	Spring	1 8 10 12 10	32 40	2004 2005 2006, 2007 2008-2016 2017-2020 2021-2025
Graduate Studies/Physiology	<b>PHYSIO 207</b> Graduate Student Renal Physiology Research Tools – Past and Present	Lecturer	5	Spring	2	0	2005
Graduate Studies/Physiology	<b>PHYSIO 212</b> Graduate Student Cardiovascular Physiology	Lecturer	6	Fall	2	0	2004, 2008

<b>Graduate Studies/Physiology</b>	<b>PHYSIO 216</b> Graduate Student Endocrine Physiology	Lecturer	6	Fall	2	0	2009
<b>Graduate Studies/Physiology</b>	<b>PHYSIO 280</b> Graduate Student Physiology Cardiometabolic Diseases	Lecturer	6	Fall	1.5	0	2023
<b>School/Department</b>	<b>Course Number/Title</b>	<b>Role</b>	<b>Number of Students</b>	<b>Semester</b>	<b>Lecture Hours/Semester</b>	<b>Laboratory Hours/Semester</b>	<b>Years</b>
<b>Graduate Studies/Physiology</b>	<b>PHYSIO 280</b> Graduate Student Trends and Highlights in Physiology	Lecturer <b>Director</b>	3 5	Fall Summer	2	0	2006 2007
<b>Graduate Studies/Physiology</b>	<b>PHYSIO 280</b> Graduate Student Renal and Vascular Physiology	<b>Director</b>	6	Fall	5	0	2013
<b>Graduate Studies/Physiology</b>	<b>PHYSIO 290</b> Graduate Student Journal Club	<b>Director</b>	6	Fall/ Spring	0	0	2014, 2015, 2020-2021
<b>Graduate Studies/Physiology</b>	<b>PHYSIO 299</b> Graduate Student Physiology Seminar	<b>Director</b>	6	Fall/ Spring	0	0	2010-2012
<b>Graduate Studies/Physiology</b>	<b>PHYSIO 6523</b> Physician Assistant Biological Systems	<b>Section Director</b>	30	Spring	5 6	0	2014 2015
<b>Medicine</b>	<b>Robert Wood Johnson Foundation</b> Summer Healthcare Professions Education Program for Undergraduate Students	<b>Director</b>	80	Summer	12	4	2017, 2018
<b>Medicine</b>	<b>Tiger Scholars Undergraduate Summer Enrichment Program</b>	<b>Director</b> Lecturer	10	Summer	22	0	2019-2025
<b>Medicine</b>	<b>USMLE</b> , Step 1 Review for Renal Physiology	Lecturer	25	Spring	2	0	2004, 2005, 2007
<b>Physiology</b>	<b>Workshop</b> for Undergraduate and High School Summer Research Fellows	<b>Director</b>	8	Spring	1	0	2010

### Curriculum Development/Implementation

2013

PHYSIO 280 Graduate Student Special Topics in Physiology - Renal and Vascular Physiology

2018-2025 Skills Development Workshops for Postbaccalaureate Research Education Program in Biomedical Sciences

### **Creation of Teaching Materials**

2016 Chair of Interprofessional Education Module on Acute Kidney Injury for Biological Systems INTER 131: Schools of Graduate Studies and Allied Health

2016-2019 Chair of Interprofessional Education Module on End Stage Kidney Disease for LSUHSC

### **Departmental/Interdisciplinary Teaching Conferences**

#### ***LSUHSC, New Orleans, LA***

##### *Department of Physiology, Work-In-Progress*

9/2008 AT1 Receptors in Renal Microvascular Physiology: Resubmission of NIH R01 Grant

09/2008 Specific Aims for Resubmission of NIH R01 Grant

03/2009 New Strategies for Experimentation

05/2009 Manuscript Submission: Major role for angiotensin converting enzyme-independent intrarenal Ang II formation in type II diabetes

10/2009 New Preliminary Studies for A2 NIH Application

01/2010 Resubmission of the A2 NIH Application

04/2010 Role of ACE-dependent and ACE-independent pathways in diabetic renal disease

07/2010 Manuscript in Preparation: Glomerular filtration rate determinations in conscious type II diabetic mice

09/2010 New R01 grant submission: targeting chymase in diabetic nephropathy

01/2013 Role of enhanced renal tubular chymase in the activation of the ENaC in diabetes: unpublished data

02/2014 LSUHSC-NO Postbaccalaureate Research Education Program in Biomedical Sciences

02/2017 Diversity Training from SACNAS, ABRCMS, Wake Forest School of Medicine, and Safe Zone: Preparing to Mentor Diverse Students Interested in Biomedical Sciences

05/2017 Everyday Bias in Health Professions

##### *LSUHSC COBRE Work-In-Progress*

09/2011, 03/2012 New approaches for slowing the progression of diabetic renal disease

05/2012, 10/2012

#### ***Tulane University Health Sciences Center***

##### *Renal and Vascular Workshop*

07/2004 Functional Localization of AT1 Receptor Subtypes in the Renal Microvasculature

##### *Nephrology Transport Group*

11/2012 Novel renal tubular expression of chymase: proteolytic activation of ENaC

### **Teaching Awards**

2012, 2013 Nominated for the LSUHSC School of Medicine Outstanding Mentor Award

2012, 2023 LSUHSC Faculty Excellence in Teaching Award by the Aesculapian Society of Medical Students Runner-Up

2017 Teaching Scholar in LSUHSC Teaching Academy (pending)

- 2024 LSUHSC Faculty Excellence in Teaching Award by the Aesculapian Society of Medical Students Nominee  
 2024 Copping Teaching Award Finalist

### **Mentoring**

*Mentoring students, fellows, and faculty is one of the most fulfilling aspects of my academic career. I have been fortunate to receive exceptional mentorship throughout my professional journey, and I am committed to providing the same level of support to others. I am especially passionate about mentoring women and individuals from groups historically underrepresented in the biomedical sciences. Helping them navigate their academic and professional paths and achieving their career goals is both a privilege and a responsibility I take seriously.*

### **Undergraduate, Medical, or Graduate Students Trained**

#### American Physiological Society NIDDK Minority Travel Fellowship Mentor; Experimental Biology

- 2000 Ollie Kelly Appleberry, Graduate Student, Emory University  
 2001 Hantz C. Hercule, Postdoctoral Fellow; Texas Southern University  
 2004 Samantha Torres, Undergraduate Student, University of New Mexico  
 2006 Mesia Moore Steed, Graduate Student, University of Louisville  
 2009 Carmen Troncoso Brindeiro, Graduate Student, University of Nebraska Medical Center  
Renamed American Physiological Society Martin Frank Diversity Travel Award  
 2021 Attipoe Esinam, Graduate Student, University of Mississippi Medical Center  
 2022 Gertrude Arthur, Graduate Student, University of Kentucky, Lexington, KY

#### American Physiological Society

- 2022 Natalia Mathieu, Medical College of Wisconsin, Milwaukee, WI  
 2023 Xi Wang, University of Mississippi, Jackson, MI

#### Undergraduate Student Research Mentor

- 1998 - 1999 Daniel F. Albert, Tulane University  
 2003, Summer Justin Westervelt, Tulane Medical School  
 2010, Summer Sen Xu, Tulane University  
 2011 - 2013 Kirsten A Wood, Undergraduate, Loyola University  
 2014, Summer Gabrielle M. Stark, Warren Easton High School Student  
 2015, Summer Tamara Morris, Louisiana State University  
 2015, Summer Casey Burlette, Belle Chasse High School  
 2016, Summer Michael Langley, Louisiana State University Biology Graduate

#### LSUHSC, Department of Physiology, Laboratory Rotation

- 2001 Torrance Green  
 2004 John D'Hemecourt  
 2005 Paige Katz  
 2007 Ashley Feske  
 2008 Jessica Bradley  
 2010 Andrea Caballero  
 2011 Elaine C. Maggi  
 2011 Stephen M. Ford, Jr  
 2012 Xun Zhang  
 2013 Alan Mouton

### **Thesis and Dissertation Committees**

#### Primary Mentor for Ph.D. Dissertation

- 2005 - 2008 Sungmi Park "Renin-Angiotensin System in Type II Diabetic Renal Disease"

2008 - 2013	Conducted postdoctoral fellowship with Curt D. Sigmund, PhD, Department of Pharmacology, Roy J. and Lucille A. Carver College of Medicine at the University of Iowa
2013 – Present	Leading-Edge Research Center for Drug Discovery and Development for Diabetes and Metabolic Disease, Kyungpook National University Hospital, Daegu 41404, Korea

#### Member of Ph.D. Degree Dissertation Committees

1997 - 2001	Matthew Walker, III; Department of Physiology, Tulane Medical School
2001 - 2004	Minolfa Prieto-Carrasquero, MD, Department of Physiology, Tulane Medical School
2001 - 2010	Torrance Green; Department of Physiology, Tulane Medical School
2005 - 2012	Paige Katz, Department of Physiology, LSUHSC
2007 - 2009	Sharell M. Bindom, Department of Pharmacology, LSUHSC
2009 - 2012	Annie M. Whitaker, Department of Physiology, LSUHSC
2010 - 2013	Kavaljit H. Chhabra, Department of Pharmacology, LSUHSC
2010 - 2012	Kristine M. Kurtz, Department of Physiology, LSUHSC
2011 - 2014	Travis M. Doggett, Department of Physiology, LSUHSC
2016 - 2019	Kevin Ebert, Department of Pharmacology, LSUHSC
2022 - 2025	Kourtney D. Weaver, Department of Physiology, LSUHSC
2022 - Present	Eden Gallegos, Department of Physiology, LSUHSC
2025 - Present	Katherine M. Bass, MEd, MSN, Doctor of Philosophy in Nursing, LSUHSC

#### Member of Master's Degree Thesis Committees

2005	Amy Courville, Department of Physiology, LSUHSC
2007	Chandrasekar Viswanathan, Department of Physiology, LSUHSC
2011 - 2013	Melissa D. Scroggin, Department of Pharmacology, LSUHSC
2017 - 2018	Jonquil M. Poret, Department of Physiology, LSUHSC

#### **Post-Doctoral Fellows Trained**

1999 - 2002	Hiroyuki Kobori, M.D., Ph.D.; Tulane University School of Medicine
2007 - 2008	Souad Belmadani, PhD; Department of Physiology, LSUHSC
2011 - 2013	Mahmoud Kallash, MD, Pediatric Nephrology Fellow, LSUHSC
2011	Daisuke Inui, MD, PhD, Tulane University School of Medicine

#### **Faculty Mentored**

2006 - 2007	Petra Rocic, PhD, Assistant Professor of Department of Physiology, LSUHSC; Cell-Specific ROS Involvement in the Regulation of Coronary Collateral Growth
2006 - 2009	Eric Lazartigues, PhD, Assistant Professor of Department of Pharmacology, LSUHSC; Brain-Targeted ACE2 Overexpression and Blood Pressure Regulation
2009 - 2011	Jerome W. Breslin, PhD, Assistant Professor of Department of Physiology, LSUHSC; Microvascular Leak during Combined Alcohol Intoxication and Hemorrhagic Shock
2011 - 2013	Jason D. Gardner, PhD, Assistant Professor of Department of Physiology, LSUHSC; Role of Lysyl Oxidase in Pressure Overload Induced Cardiac Dysfunction
2012 - 2013	Zohreh Soltani, MD, Clinical Assistant Professor, Dept of Medicine-Nephrology, LSUHSC; Effect of Febuxostat on Progression of Renal Disease in Metabolic Syndrome
2017 - 2023	Xinping Yue, PhD, Assistant Professor of Department of Physiology, LSUHSC; Respiratory Fibrosis Induced by Heparin Sulfate

2018 - 2024 Maureen Basha, PhD, Associate Professor of Department of Physiology, LSUHSC; Educational Scholarship  
 2023 - 2024 Hannah C. Walsh, PhD, Assistant Professor of Clinical Psychiatry, Assistant Director - Forensic Psychiatry Fellowship; SOM Mentoring Program

**Trainee Awards**

Sungmi Park

04/2008 American Physiological Society (APS) Renal Section Pfizer Predoctoral Excellence in Renal Research Award Finalist  
 10/2008 Forest Pharmaceuticals New Investigator Travel Award for Jackson Cardiovascular-Renal Meeting  
 04/2009 APS Renal Section Pfizer Predoctoral Excellence in Renal Research Award Finalist

Sen Xu

02/2011 APS David S. Bruce Outstanding Undergraduate Abstract Award

Stephen M Ford, Jr

07/2011 First Place - LSUHSC Summer Research Internship Program Medical Student  
 07/2013 Council for High Blood Pressure Research Clinical Science Journal Travel Award for an Outstanding Early Career Candidate  
 07/2013 Best of AHA Specialty Conferences at Scientific Sessions

Kirsten A Wood

02/2013 APS David S. Bruce Outstanding Undergraduate Abstract Award

**RESEARCH AND SCHOLARSHIP**

*My research career, which began in 1985 and continued through 2013, was supported by sustained funding and resulted in 58 peer-reviewed scientific publications. Since 2013, my professional focus has shifted from research to education, mentoring, and service. A central component of my mentoring efforts is dedicated to enhancing the diversity of biomedical graduate students, with a strong emphasis on supporting individuals from historically underrepresented backgrounds.*

**Current Grant Support**

04/04/23 - 03/31/28 1 R25 GM148309 "LSUHSC - New Orleans Postbaccalaureate Research Education Program in Biomedical Sciences" Total Direct: Terminated by NIH 1,300,756. Total Support: \$1,387,836. Role: Principal Investigator/Director; Co-Directors: Allison C. Augustus-Wallace and Jovanny Zabaleta; Program Coordinator: Stefany D. Primeaux; Program Administrator: Melissa D. Prestwood  
 04/01/25

The goal of the LSUHSC-NO PREP is to develop a broad pool of well-trained postbaccalaureates, who have recently completed their baccalaureate science degrees, for successful enrollment, retention, and completion of a biomedical PhD training program during a one-year research education program. We aim to prepare PREP Scholars for the rigors and challenges of a biomedical doctoral degree program so that they will successfully obtain a PhD degree and contribute their expertise to the biomedical scientific community.

**Pending Grant Support**

12/01/25 - 11/30/30 GRANT14358923 "LSUHSC - SOM Leading Equity and Diversity in the Medical Scientist Training Program (LEAD MSTP)". Total Support: Terminated by NIH

04/25 \$1,675,946. Total Direct: \$1,591,676. Role: Contact MPI; Lucio Miele, MPI. Patricia E. Molina, MPI. Program Administrator: TBD

The overarching goal of the Louisiana State University Health Sciences Center School of Medicine (LSUHSC-SOM) Leading Equity and Diversity in the Medical Scientist Training Program (LEAD MSTP) is to recruit, develop, and retain a broader participation of trainees to develop clinician-scientist leaders available to meet the region's and the nation's biomedical research needs by providing support for 10 new dual-degree clinician-scientists during 4 years of Ph.D. training over 5 years of grant funding.

### Previous Grant Support

1987 - 1988	Graduate Student Research Aid American Heart Association (AHA) - "Regional Blood Flow Responses to Vasopressin" Mentor: Benjamin R. Walker, PhD
1991 - 1993	Hoffmann La Roche/National Kidney Foundation Fellowship. "Vasa Recta Control of Renal Medullary Microcirculation" Mentor: Pamela K. Carmines, PhD, Total Direct Costs \$42,000
1994 - 1997	NIH-NIDDK Individual National Research Service Award. "Differential Control of Renal Cortical and Medullary Blood Flow" Mentor: L. Gabriel Navar, PhD, Total Direct Costs \$97,500
1995 - 1996	AHA Grant-in-Aid Beginning. "Differential Autoregulation of Cortical and Medullary Blood Flow in Rat Kidney" Principal Investigator, Total Direct Costs \$25,000
1996 - 1997	AHA Grant-in-Aid Beginning. "Renal AT <sub>1</sub> Receptor Regulation in Angiotensin II-Induced Hypertension" Principal Investigator, Total Direct Costs \$25,000
1996 - 1998	Shaul G. Massry, M.D. National Kidney Foundation Young Investigator Grant. "Hormonal Regulation of the Renal Medullary Circulation" Principal Investigator, Total Direct Costs \$50,000
1998 - 1999	AHA, Southern and Ohio Valley Research Consortium. Research Grant-in-Aid Beginning. "Functional and Molecular Correlates of Angiotensin II Dependent Hypertension" Principal Investigator. Total Direct Costs \$25,000
1999 - 2002	AHA - Scientific Development Grant: 9930120N. "Functional and Molecular Correlates of Angiotensin II Dependent Hypertension". Principal Investigator. Total Support \$260,000
2002 - 2009	NIH NIDDK 1 R01 DK62003-05. "AT <sub>1</sub> Receptors in Renal Microvascular Physiology". Principal Investigator. Direct Support \$820,000; Total Support \$1,430,000
2004	American Society of Hypertension Young Scholars Award. Principal Investigator: Support \$10,000
2006 - 2013	NIH NHLBI COBRE P20 RR018766-06. "Mentoring in Cardiovascular Biology". Principal Investigator - Daniel R. Kapusta, PhD. Role - Junior Investigator Mentor. Total Support \$10,058,325. Salary 10%
2009 - 2010	NIH NIDDK 2R56DK62003-07A1. "AT <sub>1</sub> Receptors in Renal Microvascular Physiology". Principal Investigator 40% Effort. Direct Support Total Support \$150,000. Total Project Period: 07/17/09 through 05/31/10
2009 - 2010	LSUHSC School of Medicine Research Enhancement Fund Bridge Grant. Principal Investigator: Lisa M Harrison-Bernard, PhD. Title: "ACE-Independent Pathways in Diabetic Renal Vascular Disease". Funding Period: June 1, 2009 - May 31, 2010. Support: \$110,000. Returned July 17, 2009, Due to NIH Bridge Funding
2009 - 2011	AHA Grant-in-Aid. 09GRNT2250875. Principal Investigator: Lisa M Harrison-Bernard, PhD. Title: "ACE-Independent Pathways in Diabetic Renal Vascular Disease". Funding Period: July 1, 2009 - June 30, 2011 (No-Cost Extension June 30, 2012). Total Support: \$165,000

2011 - 2013 NIH NHLBI Centers of Biomedical Research Excellence (COBRE) P20 RR018766-06. "Mentoring in Cardiovascular Biology". Principal Investigator - Daniel R. Kapusta, PhD. Title of Project: "New Approaches for Slowing the Progression of Diabetic Renal Disease" Role - Career Development Investigator. Total Support \$227,200

2014 - 2016 NIH NHLBI. COBRE P30 GM106392-01A1. "Mentoring in Cardiovascular Biology". Principal Investigator - Daniel R. Kapusta, PhD. Phase III Pilot Project: "Susceptibility to Obesity on Inflammation and Vascular Function". Principal Investigator - Stefany Primeaux, PhD. Total Support \$50,000. Role - Co-Investigator

2014 - 2016 LSU Leveraging Innovation for Technology Transfer Fund. "Therapeutic use of Kappa Opioid Agonists for Protection and Treatment of Acute Kidney Injury". Principal Investigator - Daniel R. Kapusta, PhD. Total Support \$30,000. Role: Co-Investigator

09/15/17 - 07/31/23 1 R25 GM121189-01, "LSUHSC-New Orleans Postbaccalaureate Research Education Program in Biomedical Sciences" Total Direct: \$1,318,190. Total Support: \$1,415,423. Role: Principal Investigator/Director; Co-Director: Allison C. Augustus-Wallace; Program Coordinator: Maureen Basha; Program Administrator: Melissa D. Prestwood

### Grant Support for Trainees

2007 - 2009 AHA Predoctoral Grant 0715445B. "Role of Angiotensin Type 1 Receptor in Renal Vascular Function and Structure". Student: Sungmi Park. Total Support \$76,000. Role: Mentor

5/2010 - 8/2011 American Physiological Society (APS) Undergraduate Summer Research Fellow. "Targeting Chymase as the Major Pathway for Kidney AngII Formation in Diabetes". Student: Sen Xu. Total Support \$5,600. Role: Mentor

5/2012 - 8/2012 APS Undergraduate Summer Research Fellow. "Role of Mast Cells in Diabetic Kidney Disease". Student: Kirsten A. Wood. Total Support \$5,600. Role: Mentor

8/2012 - 5/2013 Louisiana Experimental Program to Stimulate Competitive Research Supervised Undergraduate Research Experiences Competition. "Role of Mast Cells in Diabetic Kidney Disease". Student: Kirsten A. Wood. Total Support \$5,500. Role: Mentor

### Non-funded Applications

American Society of Nephrology William and Sandra Bennett Clinical Scholars Program "End-Stage Renal Disease Patient Case: Designing and Implementing an Interprofessional Educational Experience for Fellows and Health Professional Students" Total Support: \$100,000. Total Project Period: 07/01/17 – 06/30/19. Principal Investigator: Mihran Naljayan, MD. Role: Co-Investigator

1 R25 GM121189-01, "LSUHSC-New Orleans Postbaccalaureate Research Education Program in Biomedical Sciences" Total Support: \$2,000,000. Total Project Period: 12/01/14 - 11/30/19. Role: Principal Investigator. Impact Score: 39

1 R25 GM113268-01A1 "LSUHSC-New Orleans Postbaccalaureate Research Education Program in Biomedical Sciences" Total Support: \$2,000,000. Total Project Period: 12/01/15 - 11/30/20. Role: Principal Investigator. Impact Score: 29

1 R25 GM113268-01, "LSUHSC-New Orleans Postbaccalaureate Research Education Program in Biomedical Sciences" Total Support: \$2,000,000. Total Project Period: 12/01/16 - 11/30/21. Role: Principal Investigator. Impact Score: 25

R01 GRANT10703783. National Institute of Diabetes and Digestive and Kidney Diseases. "Targeting Chymase in Diabetic Nephropathy". Total Support: \$1,775,000. Total Project Period: 07/01/11 - 06/30/16. Impact Score: 25

Role: Principal Investigator. Percentile Scores: no score, 30, 27, 24 (funding line 20)

Submissions: 10/2007, 11/2008, 03/2010, 10/2010

### Journal Publications

*My scholarly work has resulted in 68 peer-reviewed journal articles, with 37 of those as either first or senior author. This body of work has been cited 5,974 times, with a Google Scholar h-index of 34 and an i10-index of 50. I remain actively engaged in academic scholarship and continue to prepare both research and educational manuscripts for submission to peer-reviewed journals.*

### Refereed

1. Walker BR, Brizzee BL, **Harrison-Bernard LM**. Potentiated vasoconstrictor response to vasopressin following meclofenamate in conscious rats. *Proc Soc Exp Biol Med* 187:157-164, 1988. PMID:3340625
2. Brizzee BL, **Harrison-Bernard L**, Pretus HA, Clifton GG, Walker BR. Hemodynamic responses to vasopressinergic antagonism in water-deprived conscious rats. *Am J Physiol* 255 (*Regulatory Integrative Comp Physiol* 24):R46-R51, 1988. PMID:3394844
3. Barbee RW, **Harrison-Bernard LM**, Zimmerman RS, Trippodo NC, Frohlich ED. Sympathectomy fails to reveal prominent vasodilation by atrial natriuretic factor. *Hypertension* 15(2):888-893, 1990. PMID:2141004
4. **Harrison-Bernard LM**, Brizzee BL, Clifton GG, Walker BR. Renal versus hindquarter hemodynamic responses to vasopressin in conscious rats. *J Card Pharm* 16:719-726, 1990. PMID:1703592
5. **Harrison-Bernard LM**, Vari RC, Holleman WH, Trippodo NC, Barbee RW. Chronic vs. acute hemodynamic effects of atrial natriuretic factor in conscious rats. *Am J Physiol* 260 (*Regulatory Integrative Comp Physiol* 29):R247-R254, 1991. PMID:1825157
6. Barbee RW, **Harrison-Bernard LM**, Carmines PK. Microvascular effects of atrial natriuretic peptide in rat cremaster. *Peptides* 13:1181-1185, 1992. PMID:1494499
7. **Harrison-Bernard LM**, Carmines PK. Juxtamedullary microvascular responses to arginine vasopressin in rat kidney. *Am J Physiol* 267 (*Renal Fluid & Electrolyte Physiol.* 36):F249-F256, 1994. PMID:8067385
8. Takenaka T, **Harrison-Bernard LM**, Inscho EW, Carmines PK, Navar LG. Autoregulation of afferent arteriolar blood flow in juxtamedullary nephrons. *Am J Physiol* 267 (*Renal Fluid & Electrolyte Physiol.* 36):F879-F887, 1994. (>105 Citations) PMID:7977792
9. **Harrison-Bernard LM**, Carmines PK. Impact of cyclo-oxygenase blockade on juxtamedullary microvascular responses to angiotensin II in rat kidney. *Clin Exp Pharmacol Physiol* 22:732-738, 1995. PMID:8575109
10. **Harrison-Bernard LM**, Navar LG. Renal cortical and medullary microvascular blood flow autoregulation in rat. *Kidney Int* 50:S-23-S-29, 1996. PMID:8941918
11. **Harrison-Bernard LM**, Navar LG, Ho MM, Vinson GP, El-Dahr SS. Immunohistochemical localization of ANG II AT<sub>1</sub> receptor in the adult rat kidney using a monoclonal antibody. *Am J Physiol* 273(1 Pt 2) (*Renal Fluid & Electrolyte Physiol.* 42):F170-177, 1997. (>285 Citations) PMID:9249605
12. **Harrison-Bernard LM**, El-Dahr SS, O'Leary DF, Navar LG. Regulation of angiotensin II type 1 receptor mRNA and protein in angiotensin II-induced hypertension. *Hypertension* 33:340-346, 1999. (>100 citations) PMID:9931127
13. Cervenka L, **Harrison-Bernard LM**, Dipp S, Primrose G, Imig JD, El-Dahr SS. Early onset salt-sensitive hypertension in bradykinin B<sub>2</sub> receptor null mice. *Hypertension* 34(2):176-180, 1999. PMID:10454437
14. El-Dahr SS, **Harrison-Bernard LM**, Dipp S, Yosipiv IV, Meleg-Smith S. Bradykinin B<sub>2</sub> null mice are prone to renal dysplasia: gene-environment interactions in kidney development. *Physiological Genomics* 3(3):121-131, 2000. PMID:11015607

15. Walker M III, **Harrison-Bernard LM**, Cook AK, Navar LG. Dynamic interaction between myogenic and TGF mechanisms in afferent arteriolar blood flow autoregulation. *Am J Physiol. Renal Physiol* 279(5):F858-F865, 2000. PMID:11053046
16. Kobori H, **Harrison-Bernard LM**, Navar LG. Expression of angiotensinogen mRNA and protein in angiotensin II-dependent hypertension. *J Am Soc Nephrol* 12(3):431-439, 2001. (>230 citations). PMID:11181790
17. Kobori H, **Harrison-Bernard LM**, Navar LG. Enhancement of angiotensinogen expression in angiotensin II-dependent hypertension. *Hypertension* 37(5):1329-1335, 2001. (>110 citations). PMID:11358949
18. **Harrison-Bernard LM**, Zhuo J, Kobori H, Ohishi H, Navar LG. Intrarenal AT1 receptor and ACE binding in ANG II-induced hypertensive rats. *Am J Physiol Renal Physiol* 282(1):F19-F25, 2002. (>65 citations) PMID:11739108
19. Kobori H, **Harrison-Bernard LM**, Navar LG. Urinary excretion of angiotensinogen reflects intrarenal angiotensinogen production. *Kidney Int* 61(2):579-585, 2002. (>240 citations) PMID:11849399
20. **Harrison-Bernard LM**, Imig JD, Carmines PK. Renal AT<sub>1</sub> receptor protein expression during the early stage of diabetes mellitus. *Int J Exp Diabetes Res* 3(2):97-108, 2002. Front and Back Covers of the April-June Journal Issue Displays our 7 Panel Color Figure of Angiotensin Receptor Immunolocalization in the Kidney of Diabetic and Normal Rats. PMID:11991202
21. **Harrison-Bernard LM**, Cook AK, Oliverio MI, Coffman TM. Renal segmental microvascular responses to ANG II in AT<sub>1A</sub> receptor null mice. *Am J Physiol Renal Physiol* 284(3):538-545, 2003. PMID:12429556
22. Kobori H, Nishiyama A, **Harrison-Bernard LM**, Navar LG. Urinary angiotensinogen as an indicator of intrarenal angiotensin status in hypertension. *Hypertension* 41(1):42-49, 2003. (>210 citations) PMID:12511528
23. **Harrison-Bernard LM**, Dipp S, El-Dahr SS. Renal and blood pressure phenotype in 18 mo-old bradykinin B2R(-/-)CRD mice. *Am J Physiol (Reg Integr Comp Physiology)* 285(4):R782-R790, 2003. PMID:12805091
24. **Harrison-Bernard LM**, Hernandez Schulman I, Raji L. Postovariectomy hypertension is linked to increased renal AT1 receptor and salt-sensitivity. *Hypertension* 42(6):1157-1163, 2003. (>114 citations) PMID:14610098
25. Prieto-Carrasquero M., **Harrison-Bernard LM**, Kobori H, Owaza Y, Hering-Smith K, Hamm LL, Navar LG. Enhancement of collecting duct renin in angiotensin II-dependent hypertensive rats. *Hypertension* 44(2):223-229, 2004. (>210 citations) PMID:15226276
26. **Harrison-Bernard LM**, Monjure CJ, Bivona BJ. Efferent arterioles exclusively express the subtype 1A angiotensin receptor: Functional insights from genetic mouse model. *Am J Physiol Renal Physiol* 290(5):F1177-F1186, 2006. PMID:16332932
27. Swafford, AN Jr, **Harrison-Bernard LM**, Dick GM. Knockout mice reveal that the angiotensin II type 1b receptor links to smooth muscle contraction. *Am J Hypertens.* 20(3):335-7, 2007. PMID: 17324748
28. Park S, Bivona BJ, **Harrison-Bernard LM**. Compromised renal microvascular reactivity of angiotensin type 1 double null mice. *Am J Physiol Renal Physiol* 293(1):F60-F67, 2007. PMID: 17409281
29. Shen B, **Harrison-Bernard LM**, Fuller AJ, Vanderpool V, Saifudeen Z, El-Dahr SS. The bradykinin B2 receptor gene is a target of angiotensin II type 1 receptor signaling. *J Am Soc Nephrol* 18(4):1140-1149, 2007. PMID:17344422
30. Park S, **Harrison-Bernard LM**. Augmented renal neuronal nitric oxide synthase and renin protein expression in angiotensin type 1 receptor null mice. *J Histochem Cytochem.* 56(4):401-414, 2008. PMID:18180383
31. Park S, Bivona BJ, Feng Y, Lazartigues E, **Harrison-Bernard LM**. Intact renal afferent arteriolar autoregulatory responsiveness in *db/db* mice. *Am J Physiol Renal Physiol* 295(5):F1504-F1511, 2008. PMID:18753291
32. Park S, Bivona BJ, Kobori H, Seth DM, Chappell MC, Lazartigues E, **Harrison-Bernard LM**. Major role for ACE-independent intrarenal ANG II formation in type II diabetes. *Am J Physiol Renal Physiol* 298(1):F37-F48, 2010. PMID:19846569

Related Editorial Focus. Lorenz JN. Chymase: The other ACE? *Am J Physiol Renal Physiol* 298(1):F35-F36, 2010. PMID: 19923404  
2010 American Journal of Physiology: Renal Physiology Paper of the Year  
2011 American Journal of Physiology: Renal Physiology Inaugural Podcast Interview

33. Bivona BJ, Park S, **Harrison-Bernard LM**. Glomerular filtration rate determinations in conscious type II diabetic mice. *Am J Physiol Renal Physiol* 300(3):F618-F625, 2011. PMID: 21147841
34. Prieto MC, Das S, Somanna NK, **Harrison-Bernard LM**, Navar LG, Pandey KN. Disruption of Npr1 gene differentially regulates the juxtaglomerular and distal tubular renin levels in null mutant mice. *Int J Physiol Pathophysiol Pharmacol* 4(3):128-39, 2012. PMID: 23071870
35. Herrera M, Sparks MA, Pecchio ARA, **Harrison-Bernard LM**, Coffman TM. Lack of specificity of commercial antibodies leads to misidentification of angiotensin type 1 receptor (AT<sub>1</sub>R) protein. *Hypertension* 61(1):253-258, 2013. PMID 23150519
36. Park S, Bivona BJ, Ford S, Xu S, Kobori H, de Garavilla L, **Harrison-Bernard LM**. Direct evidence for intrarenal chymase-dependent angiotensin II formation on the diabetic renal microvasculature. *Hypertension* 61(2):465-471, 2013. PMID:23213190
37. **Harrison-Bernard LM**, Bivona BJ, de Garavilla L. Enhanced vascular chymase-dependent conversion of endothelin in the diabetic kidney. *The Ochsner Journal* 13:49-55, 2013. PMID: 23532714
38. Crapanzano JT, **Harrison-Bernard LM**, Jones MR, Kaye AD, Richter EO, Potash MN. High frequency spinal cord stimulation for complex regional pain syndrome: a case report. *Pain Physician*. 20(1): E177-E182, 2017. PMID: 28072810
39. **Harrison-Bernard LM**, Naljayan M, Eason J, Gunaldo T. Effectiveness of interprofessional education in renal physiology curricula for health sciences graduate students. *Adv Physiol Educ*. 41(4):594-598, 2017. PMID: 29138217
40. Poret JM, Souza-Smith F, Marcell SJ, Gaudet DA, Tzeng TH, Braymer HD, **Harrison-Bernard LM**, Primeaux SD. High fat diet consumption differentially affects adipose tissue inflammation and adipocyte size in obesity-prone and obesity-resistant rats. *Int J Obes (Lond)*. 42(3): 535-541, 2018. PMID: 29151595
41. Park S, Bivona BJ, **Harrison-Bernard LM**. Lack of contribution of nitric oxide synthase to cholinergic vasodilation in murine renal afferent arterioles. *Am. J. Physiol. Renal Physiol*. 314(6):F1197-F1204, 2018. PMID: 29412691
42. Poret JM, Battle CA, Mouton AJ, Gaudet D, Souza-Souza F, Gardner J, Braymer HD, **Harrison-Bernard LM**, Primeaux SD. The prevalence of cardio-metabolic risk factors is differentially elevated in obesity-prone Osborne-Mendel and obesity-resistant S5B/PI rats. *Life Sciences*. 223: 95-101, 2019. PMID: 30872180
43. **Harrison-Bernard LM**, Naljayan MV, Mercante DE, Gunaldo TP, Edwards S. Longitudinal interprofessional education in a graduate physiology course. *Adv. Physiol. Educ*. 43(2): 241-245, 2019. PMID: 31088161
44. Bivona BJ, Takai S, Seth DM, Satou R, **Harrison-Bernard LM**. Chymase inhibition retards albuminuria in type 2 diabetes. *Physiol Rep*. 7(24):e14302, 2019. PMID: 31872559
45. **Harrison-Bernard LM**, Augustus-Wallace AC, Souza-Smith FM, Tsien F, Casey GP, Gunaldo TP. Knowledge gains in a professional development workshop on diversity, equity, inclusion, and implicit bias in academia. *Adv. Physiol. Educ*. 44 (3): 286-294, 2020. PMID: 32484403
46. Gunaldo TP, Mason M, **Harrison-Bernard LM**, Davis A, Andrieu S, Brisolara K, Brown A, Goumas A, Kreko A, Roi C, Sanne S, Wall L, Yue X, Zamjahn J, Patrick-Esteve J. Qualitative analysis of pre-licensure student perceptions of ingroup professional stereotypes. *Journal of Interprofessional Education & Practice*. Volume 23, June 2021, 100413
47. Souza-Smith FM, Albrechet-Souza L, Avegno EM, Ball CD, Ferguson TF, **Harrison-Bernard LM**, Molina PE. Perspectives against racism: educational and socialization efforts at the departmental level. *Adv. Physiol. Educ*. 45: 720-729, 2021, PMID: 34498936

48. Savedchuk S, Phachu D, Shankar M, Sparks MA, **Harrison-Bernard LM**. Targeting Glomerular Hemodynamics for Kidney Protection. *Advances in Kidney Disease and Health*. 2023 Mar;30(2):71-84. doi: 10.1053/j.akdh.2022.12.003. PMID: 36868736
49. **Harrison-Bernard LM**, Raji L, Runxia T, Jaimes E. Genetically conditioned interaction among microRNA-155, alpha-klotho, and intra-renal RAS in male rats: Link to CKD progression. *Physiol. Reports*, 12, e16172. <https://doi.org/10.14814/phy2.1617>, 2024. PMID: 39375174
50. Wilson TE, **Harrison-Bernard LM**. A primer: peer review process for *Advances in Physiology Education*. *Adv. Physiol. Educ.* Dec 1;48(4):932-935. doi: 10.1152/advan.00127.2024. Epub 2024 Sep 5, 2024. PMID: 39236106
51. **Harrison-Bernard LM**, Edwards S, Siggins RW, Primeaux SD. Effectiveness of an experimental design and analysis course for first-year medical students. *Med. Sci. Educ.* (2025). <https://doi.org/10.1007/s40670-025-02401-z>

#### Invited Non-Refereed

52. Navar LG, Inscho EW, **Harrison-Bernard LM**, Takenaka T. Paracrine interactions regulating renal microcirculatory function. *Clin Investig* 72(9):682-684, 1994. PMID:7849446
53. Navar LG, Inscho EW, Majid DSA, Imig JD, **Harrison-Bernard LM**, Mitchell KD. Paracrine regulation of the renal microcirculation. *Physiological Reviews* 76 (2):425-536, 1996. (>770 Citations) PMID:8618962
54. Navar LG, **Harrison-Bernard LM**, Wang CT, Cervenka L, Mitchell KD. Concentrations and actions of intraluminal angiotensin II. *J Am Soc Nephrol* 10:S189-S195, 1999. (>117 citations) PMID:9892162
55. Navar LG, **Harrison-Bernard LM**, Imig JD, Wang CT, Cervenka L, Mitchell KD. Intrarenal angiotensin II generation and renal effects of AT<sub>1</sub> receptor blockade. *J Am Soc Nephrol* 10: S266-S272, 1999. (>110 Citations) PMID:10201881
56. **Harrison-Bernard LM**, Raji L. Postmenopausal Hypertension. *Current Hypertension Reports* 2:202-207, 2000. PMID:10981150
57. Navar LG, **Harrison-Bernard LM**, Imig JD, Cervenka L, Mitchell KD. Renal responses to AT<sub>1</sub> receptor blockade. *Am J Hypertens* 13(1):45S-54S, 2000. PMID:10678288
58. Navar LG, **Harrison-Bernard LM**. Intrarenal angiotensin II augmentation in angiotensin II dependent hypertension. *Hypertens Res* 23:291-301, 2000. PMID:10912764
59. Navar LG, Mitchell KD, **Harrison-Bernard LM**, Kobori H, Nishiyama A. Intrarenal angiotensin II levels in normal and hypertensive states. *J Renin-Angiotensin-Aldosterone Syst* 2 (1):S176-S184, 2001. PMID:19644566
60. Navar LG, **Harrison-Bernard LM**, Nishiyama A, Kobori H. Regulation of intrarenal angiotensin II in hypertension. *Hypertension* 39(2): 316-322, 2002. (>410 Citations) PMID:11882566
61. **Harrison-Bernard LM**. Targeting of the renin-angiotensin system as an adjunct to estrogen replacement therapy. *Editorial Commentary for Hypertension*, 44:390-391, 2004. PMID:15337737
62. **Harrison-Bernard LM**. The renal renin-angiotensin system. *Adv Physiol Educ.* 33: 270–274, 2009. PMID: 19948673 (>143 Citations)
63. **Harrison-Bernard LM**. Trapping intracellular ANG II to the proximal tubule: Powerful *in vivo* effects on sodium handling and blood pressure. *Editorial Focus for Am J Physiol Renal Physiol* 300(5):F1074-F1075, 2011. PMID:21367912
64. **Harrison-Bernard LM**, Chappell MC. Unraveling the glomerular RAS - one peptidase at a time. *Editorial Focus for Am J Physiol Renal Physiol*; 303 (3):F373-F374, 2012. PMID: 22573374
65. Kobori H, Kamiyama M, **Harrison-Bernard LM**, Navar LG. Cardinal role of the activated intrarenal renin-angiotensin system in the pathogenesis of diabetic nephropathy. *J Investig Med* 61(2):256-264, 2013. PMID: 23266706
66. Herrera M, Sparks MA, Pecchio ARA, **Harrison-Bernard LM**, Coffman TM. Letter to the Editor Response. Lack of specificity of commercial antibodies leads to misidentification of

- angiotensin type 1 receptor (AT<sub>1</sub>R) protein. *Hypertension* 61(4):e32, 2013. PMID: 23607135
67. **Harrison-Bernard LM.** Sphingolipids, new kids on the block, promoting glomerular fibrosis in the diabetic kidney. *Editorial Focus for Am J Physiol Renal Physiol.* 309: F685-F686, 2015. PMID: 26155845
  68. **Harrison-Bernard LM.** Mentoring Forum: Getting connected with women in science. *The Physiologist.* 60 (1): 1-4, 2017.

<https://www.ncbi.nlm.nih.gov/myncbi/1pSZFFgctHLk9/bibliography/public/>

### Manuscript in Submission

1. **Harrison-Bernard LM,** Davis AH, Dicharry MP, Mena MG, Patrick-Estevé J, Rivera J, Roberts LT, Wall LA, Gunaldo TP. Comparison of human versus artificial intelligence in qualitative assessment of interprofessional education: analysis using a polypharmacy module. *The Journal of Interprofessional Care, 2024*

### Manuscripts in Preparation for Publication

1. **Harrison-Bernard LM.** Insights into bringing a discussion of diversity and inclusion to basic science graduation education. *Adv Physiol. Educ.*

### Book Chapters:

1. El-Dahr SS, **Harrison-Bernard LM,** Gomez RA, Navar LG. Molecular Biology of Renal System. In: The Encyclopedia of Molecular Biology: Fundamentals and Applications 264-274, 1996
2. Navar LG, **Harrison-Bernard LM,** Imig JD. Compartmentalization of intrarenal angiotensin II. In: *Renin-Angiotensin*, Edited by H.R. Ulfendahl and M. Aurell. London: Portland Press, 1998, p. 193-208
3. Navar LG, **Harrison-Bernard LM,** Imig JD, Mitchell KD. Renal actions of angiotensin II and AT<sub>1</sub> receptor blockers. Chapter 13 Angiotensin II Receptor Antagonists, edited by Murray Epstein and Hans Brunner, pg 189 - 214, 2001
4. Kobori H, **Harrison-Bernard LM,** Navar LG. Role of activated renin-angiotensin system in the pathogenesis of diabetic nephropathy. "Advances in the pathogenesis of diabetic nephropathy" NovaScience Publishers, New York. Sharma S Prabhakar, MD (Editor) 161-197, 2012
5. Beierwaltes WH, **Harrison-Bernard LM,** Sullivan JC, Mattson DL. Assessment of renal function; clearance, the renal microcirculation, renal blood flow, and metabolic balance. *Comprehensive Physiology. Renal Physiology.* Editors: DM Pollock and J Garvin. *Compr Physiol* 3:165-200, 2013. PMID: 23720284
6. Primeaux SD, **Harrison-Bernard LM,** Barnes MJ 'Neurophysiology of the Hypothalamus'. In G.I. Uwaifo Eds. *The Hypothalamus: Anatomy, Dysfunction and Disease Management* Springer Publishing. 2021

### Published Abstracts

1. **Harrison-Bernard L,** Brizzee BL, Walker BR. Renal vs. hindquarter vascular response to vasopressin in conscious rats. *Federation Proc.* 46:1434, 1987 (Poster Presentation)
2. **Harrison-Bernard L,** Vari RC, Holleman WH, Trippodo NC, Barbee RW. Methods for studying long-term infusions of peptides in rats. *FASEB J.* 3(4):4519, 1989 (Poster Presentation)
3. **Harrison-Bernard L,** Vari RC, Holleman WH, Barbee RW. Chronic infusion of atrial natriuretic factor (ANF) exerts a sustained hypotensive effect, but only transient reductions in cardiac output (CO). *Hypertension* 14(3):347, 1989 (Oral Presentation)

4. Barbee RW, Zimmerman RS, Trippodo NC, **Harrison-Bernard LM**, Frohlich ED. Atrial natriuretic factor (ANF) lowers cardiac output without reflex vasoconstriction in the absence of increased sympathetic tone. *Hypertension* 14(3):353, 1989
5. **Harrison-Bernard LM**, Carmines PK, Barbee RW. Effects of intravenous atrial natriuretic factor (ANF) infusion on rat cremaster microcirculation. *FASEB J.* 5:A672, 1991 (Poster Presentation)
6. **Harrison-Bernard LM**, Carmines PK. Utilization of the *in vitro* blood perfused juxtamedullary nephron technique for study of the medullary microcirculation. *Hypertension* 19[ suppl I]:I-133, 1992 (Poster Presentation)
7. **Harrison-Bernard LM**, Carmines PK. Influence of exogenous angiotensin II on outer medullary descending vasa recta function in the rat. *J. Am. Soc. Nephrol.* 2:519, 1991 (Poster Presentation)
8. Carmines PK, **Harrison-Bernard LM**. Effect of nitro-L-arginine on renal microvascular responses to arterial pressure alterations. *FASEB J.* 6(4):A979, 1992
9. Barbee RW, **Harrison-Bernard LM**, Taylor NR, Re RN, Murgo JP. Construction and calibration of economically pulsed Doppler transducers for measuring blood flow changes in chronically instrumented rats. *Content Top Lab Anim Sci* 31(4):42, 1992
10. **Harrison-Bernard LM**, Cook AK, Carmines PK. Arginine vasopressin effects on juxtamedullary afferent and efferent arterioles in the rat. *J. Am. Soc. Nephrol.* 3:563, 1992 (Poster Presentation)
11. **Harrison-Bernard LM**, Cook AK, Carmines PK. Segmental comparison of arginine vasopressin effects on the juxtamedullary nephron microvasculature of the rat. *FASEB J.* 7(3):A220, 1993 (Poster Presentation)
12. Takenaka T, **Harrison-Bernard LM**, Carmines PK, Navar LG. Autoregulation of afferent arteriolar blood flow in blood perfused juxtamedullary nephrons. *FASEB J.* 7(3):A311, 1993
13. **Harrison-Bernard LM**, Cook AK, Carmines PK. Impact of cyclooxygenase blockade on renal arteriolar responses to angiotensin II. *J. Am. Soc. Nephrol.* 4(3):579, 1993 (Poster Presentation)
14. Takenaka T, **Harrison-Bernard LM**, Inscho EW, Carmines PK, Navar LG. Mechanistic components of afferent arteriolar blood flow autoregulation in blood perfused juxtamedullary nephrons. *J. Am. Soc. Nephrol.* 4(3):588, 1993
15. Cook AK, **Harrison-Bernard LM**, Inscho EW, Navar LG. Differential reactivity along juxtamedullary afferent arterioles to angiotensin II (ANG II). *FASEB J.* 8(4):A583, 1994.
16. **Harrison-Bernard LM**, Navar LG. Juxtamedullary efferent arteriolar blood flow autoregulation. *J. Am. Soc. Nephrol.* 5(3):604, 1994 (Oral Presentation)
17. **Harrison-Bernard LM**, Navar LG. Autoregulation of outer medullary descending vasa recta blood flow during increases in perfusion pressure. *FASEB J.* 9(3):A71, 1995 (Poster Presentation)
18. **Harrison-Bernard LM**, Ho MM, Vinson GP, El-Dahr SS. Immunohistochemical localization of angiotensin II AT1 receptor in the adult rat kidney utilizing a monoclonal antibody. *J. of Invest. Med.* 44(1):49A, 1996 (Oral Presentation)
19. **Harrison-Bernard LM**, Navar LG, Ho MM, Vinson GP, El-Dahr SS. Immunohistochemical localization of angiotensin II AT1 receptor in the adult rat kidney utilizing a monoclonal antibody. *J. Am. Soc. Nephrol.* 7(9):A1918, 1996 (Poster Presentation)
20. **Harrison-Bernard LM**, O'Leary DF, Zou L-X, Navar LG, El-Dahr SS. Maintenance of renal AT1 receptor mRNA levels in angiotensin II-induced hypertension. *FASEB J.* 11(3):A244, 1997 (Oral Presentation)
21. **Harrison-Bernard LM**, O'Leary DF, Vinson GP, Navar LG, El-Dahr SS. Renal AT1 receptor mRNA and protein levels are sustained in angiotensin II - induced hypertension. *FASEB J.* 12(4):A332, 1998 (Oral Presentation)
22. Cervenka L, Navar LG, **Harrison-Bernard LM**, Dipp S, El-Dahr SS. Life-long high salt intake causes hypertension in bradykinin B2 receptor knockout mice. *Pediatr. Res.* 43:306A, 1998
23. Carmines PK, **Harrison-Bernard LM**, O'Leary DF, Imig JD. Renal AT1 receptor protein and angiotensin II levels during the early stage of diabetes mellitus in the rat. *J. Am. Soc. Nephrol.* 9:629A, 1998

24. El-Dahr SS, Dipp S, Cervenka L, **Harrison-Bernard LM**. Susceptibility to aberrant distal nephrogenesis and angiotensin-dependent hypertension in bradykinin B<sub>2</sub> receptor (B<sub>2</sub>R) null mice. *J. Am. Soc. Nephrol.* 9:361A, 1998
25. **Harrison-Bernard LM**, O'Leary DF, Navar LG, El-Dahr SS. Maintained expression of angiotensin type 1 receptor mRNA and protein in angiotensin II - induced hypertension. *Hypertension* 32(2):628, 1998 (Poster Presentation)
26. **Harrison-Bernard LM**, Albert DF, Cook AK. Nitric oxide modulation of outer medullary descending vasa recta diameter. *FASEB J.* 13(5):A720, 1999 (Poster Presentation)
27. Walker, III M, **Harrison-Bernard LM**, Cook AK, Navar LG. Transient autoregulatory responses of afferent arteriolar diameter in juxtamedullary nephrons. *FASEB J.* 13(5):A1069, 1999
28. **Harrison-Bernard LM**, Raji L. Post ovariectomy (OVX) hypertension (HTN) is linked to upregulation of renal angiotensin II type 1 (AT1) receptors and increased salt-sensitivity. *Hypertension* 34(2):336, 1999 (Oral Presentation)
29. Raji L, Johnston B, **Harrison-Bernard LM**. Role of upregulation of renal angiotensin II type 1 (AT1) receptor and salt-sensitivity in post ovariectomy (OVX) Hypertension (HYP). *J. Am. Soc. Nephrol.* 10:353A, 1999
30. **Harrison-Bernard LM**, Zhuo J, Kobori H, Ohishi H, Navar LG. Differential regulation of renal AT1 receptors and angiotensin converting enzyme in angiotensin II-induced hypertension. *J. Am. Soc. Nephrol.* 10:346A, 1999 (Poster Presentation)
31. **Harrison-Bernard LM**, Cook AK, Oliverio MI, Coffman TM, Navar LG. Afferent arteriolar responses to changes in perfusion pressure and angiotensin II in AT1A receptor deficient mice. *J. Am. Soc. Nephrol.* 10:380A, 1999 (Oral Presentation)
32. Walker, III M, **Harrison-Bernard LM**, Cook AK, Navar LG. Dynamic interaction between the myogenic and tubuloglomerular feedback (TGF) mechanisms in the autoregulation of afferent arteriolar blood flow (AABF). *J. Am. Soc. Nephrol.* 10:390A, 1999
33. Kobori H, **Harrison-Bernard LM**, Navar LG. Renal expression of angiotensinogen in angiotensin II induced hypertension. *J. Am. Soc. Nephrol.* 10:349A, 1999
34. **Harrison-Bernard LM**, Cook AK, Oliverio MI, Coffman TM, Navar LG. Afferent arteriolar diameter responses to angiotensin II in AT1A receptor deficient mice. *FASEB J.* 14(4):A135, 2000 (Poster Presentation)
35. Kobori H, **Harrison-Bernard LM**, Navar LG. Renal expression of angiotensinogen protein in angiotensin II- infused hypertensive rats maintained on high salt diet. *Hypertension* 36(4):695, 2000
36. Kobori H, **Harrison-Bernard LM**, Navar LG. Expression of angiotensinogen mRNA and protein in angiotensin II-dependent hypertension. *J. Hypertension* 18(4):S3, 2000
37. Kobori H, **Harrison-Bernard LM**, Navar LG. Renal expression of angiotensinogen in angiotensin II infused hypertensive rats maintained on high salt diet. *J. Am. Soc. Nephrol.* 11:335A, 2000
38. **Harrison-Bernard LM**, Cook AK, Oliverio MI, Coffman TM, Navar LG. Blockade of renal AT1B receptors by candesartan. *JRAAS.* 2 (1):S234, 2001 (Invited Speaker)
39. **Harrison-Bernard LM**, Cook AK, Oliverio MI, Coffman TM, Navar LG. Lack of efferent arteriolar diameter responses to angiotensin II in AT1A receptor deficient mice. *FASEB J.* 15 (4):A149, 2001 (Oral Presentation)
40. Walker, III M, **Harrison-Bernard LM**, Cook AK, Navar LG. Enhanced tubuloglomerular feedback (TGF) inputs dynamically modulate the afferent arteriolar myogenic mechanism. *FASEB J.* 15(4):A449, 2001
41. Kobori H, **Harrison-Bernard LM**, Navar LG. Urinary excretion of angiotensinogen as an index of intrarenal production of angiotensinogen in angiotensin II-dependent hypertension. *J. Am. Soc. Nephrol.* 12:570A, 2001
42. Kobori H, **Harrison-Bernard LM**, Navar LG. Urinary excretion of angiotensinogen reflects intrarenal angiotensinogen production. *Hypertension.* 38(3):528, 2001
43. Prieto-Carrasquero MC, Seth D, **Harrison-Bernard LM**, Navar LG. Regulation of distal tubule renin protein in angiotensin II-induced hypertensive rats. *J. of Invest. Med.* 50(1):134A, 2002

44. Prieto-Carrasquero MC, **Harrison-Bernard LM**, Seth D, Navar LG. Distal tubule renin regulation in angiotensin II-induced hypertension. *FASEB J.* 16(4):A494, 2002
45. Kobori H, **Harrison-Bernard LM**, Navar LG. Urinary angiotensinogen as an indicator of intrarenal angiotensin status. *Hypertension.* 40:41, 2002
46. **Harrison-Bernard LM**, Dipp S, El-Dahr SS. Bradykinin B2R<sup>-/-</sup> mice exhibit renal dysgenesis, salt wasting and salt sensitivity: A phenocopy of human renal dysplasia. *FASEB J.* 17(4):A102, 2003 (Oral/Poster Presentation)
47. Prieto-Carrasquero, M, Hering-Smith KS, **Harrison-Bernard LM**, Kobori H, Hamm LL, Navar LG. Renin protein and mRNA localization in inner medullary collecting duct. *FASEB J.* 17(4):A486, 2003
48. **Harrison-Bernard LM**, Dipp S, El-Dahr SS. Bradykinin B2R<sup>-/-</sup>CRD mice exhibit renal dysgenesis, salt wasting and salt-sensitive hypertension. *Pediatr. Res.* 53:525A, 2003 (Poster Presentation)
49. Prieto-Carrasquero, M, Hering-Smith KS, **Harrison-Bernard LM**, Kobori H, Hamm LL, Navar LG. Renin protein and mRNA localization in inner medullary collecting duct. *Hypertension* 42:431, 2003
50. Schulman IH, **Harrison-Bernard LM**, Raji L. Salt sensitivity is a harbinger for postmenopausal hypertension and renal disease. *J. Am. Soc. Nephrol.* 13:A496, 2003
51. **Harrison-Bernard LM**, Smelcer SK, Westervelt JD. Intact renal microvascular responsiveness to norepinephrine in AT<sub>1A</sub> receptor null mice. *FASEB J.* 18(4):A288, 2004 (Poster Presentation)
52. Licea H, **Harrison-Bernard LM**, Oliverio MI, Coffman TM, Navar LG. Hypotension persists in mature AT<sub>1A</sub> receptor deficient mice. *FASEB J.* 18(4):A738, 2004
53. Prieto-Carrasquero MC, **Harrison-Bernard LM**, Hering-Smith KS, Hamm LL, Navar LG. Renin expression in cortical collecting duct cells. *FASEB J.* 18(4):A738, 2004
54. **Harrison-Bernard LM**, Bivona BJ, Monjure CJ. Genetic evidence that angiotensin II induced efferent arteriolar vasoconstriction is mediated via the AT<sub>1A</sub> receptor. *FASEB J.* 19(5):A1144, 2005 (Poster Presentation)
55. **Harrison-Bernard LM**, Bivona BJ, Monjure CJ. Lack of evidence of AT<sub>2</sub> receptor mediated vasodilation in afferent and efferent arterioles: Lessons from mice with deletion of AT<sub>1</sub> receptors. *Hypertension*, 46:872, 2005 (Poster Presentation)
56. Swafford, Jr AN, **Harrison-Bernard LM**, Dick GM. Knockout mice reveal the AT<sub>1b</sub> receptor links to angiotensin II-induced smooth muscle contraction. *Circulation*, 112:17, U54, 2005
57. Shen B, Vanderpool V, **Harrison-Bernard LM**, Saifudeen Z, El-Dahr SS. The bradykinin B<sub>2</sub> receptor (B2R) gene is a physiological target for the angiotensin type 1 receptor (AT<sub>1R</sub>) *J. Am. Soc. Nephrol.* 16:594A, 2005
58. **Harrison-Bernard LM**, Bivona BJ, Monjure CJ. Compromised renal microvascular reactivity in angiotensin type 1 receptor double null mice (DKO). *J. Am. Soc. Nephrol.* 16:392A, 2005 (Poster Presentation)
59. **Harrison-Bernard LM**, Bivona BJ, Monjure CJ. AT<sub>1</sub> and AT<sub>2</sub> mediated renal microvascular actions: Lessons from mice with deletion of AT<sub>1</sub> receptors. *FASEB J.* 20(4):A762, 2006 (Poster Presentation)
60. Park S, Bivona BJ, Monjure CJ, **Harrison-Bernard LM**. Renal microvascular vasoconstrictor and vasodilatory responses are reduced in angiotensin type 1 receptor double null mice (DKO). *FASEB J.* 20(4):A761, 2006 (Poster Presentation)
61. **Harrison-Bernard LM**, Park S. Augmented renal renin and neuronal nitric oxide synthase (nNOS) protein expression in angiotensin type 1 receptor (AT<sub>1</sub>) double null mice (DKO). *J. Am. Soc. Nephrol.* 17:503A, 2006 (Poster Presentation)
62. Park S, Bivona BJ, **Harrison-Bernard LM**. Intact renal afferent arteriolar autoregulatory responsiveness and enhanced AngII sensitivity in diabetic mice. *FASEB J.* 21:892.1, 2007 (Poster Presentation)
63. Park S, **Harrison-Bernard LM**. Angiotensin type 1 receptor (AT<sub>1</sub>) double null mice (DKO) exhibit augmented renal renin and neuronal nitric oxide synthase (nNOS) protein expression. *FASEB J.* 21:906.1, 2007 (Poster Presentation)
64. Park S, Bivona BJ, **Harrison-Bernard LM**. Reduced ACE mediated ANG I effects on renal afferent arterioles in diabetic mice. *Hypertension*, 50:e99, 2007 (Poster Presentation)

65. Park S, Bivona BJ, **Harrison-Bernard LM**. Functional analysis of angiotensin responses in the renal microcirculation in type II diabetes. *J. Am. Soc. Nephrol.* 18:167A, 2007 (Poster Presentation)
66. Park S, Bivona BJ, Feng Y, Lazartigues E, **Harrison-Bernard LM**. ACE-independent ANG II generating pathway in type II diabetic renal vascular disease. *FASEB J.* 22:944.1, 2008 (Poster Presentation)
67. Belmadani S, Park S, Bivona BJ, Seth D, Kobori H, **Harrison-Bernard LM**. Increased urinary excretion of angiotensinogen (AGT) in type II diabetic mice. *FASEB J.* 22:944.4, 2008 (Poster Presentation)
68. **Harrison-Bernard LM**, Park S, Bivona BJ, Seth D, Kobori H. Afferent arteriolar vasoconstriction induced by ACE-independent generation of ANGII in kidneys of db/db mice. *Hypertension.* 52:e113, 2008 (Poster Presentation)
69. Park S, Bivona BJ, **Harrison-Bernard LM**. Augmented afferent arteriole (AA) vasoconstriction induced by chymase-dependent ANGII formation in diabetic renal disease. *FASEB J.* 23:804.1, 2009 (Oral and Poster Presentation)
70. Bivona BJ, Park S, **Harrison-Bernard LM**. Methodology for measuring steady-state glomerular filtration rate (GFR) using continuous intravenous infusion of FITC-inulin in conscious mice. *FASEB J.* 23:804.21, 2009 (Poster Presentation)
71. Lazartigues E, Feng Y, Cai Y, **Harrison-Bernard LM**. ACE2 over-expression regulates angiotensin receptors expression and nitric oxide levels in Syn-ACE2 transgenic mice. *Hypertension.* 54:e31, 2009
72. **Harrison-Bernard LM**, Bivona BJ, Jin D, Takai S. Evidence for chymase-dependent ANGII formation in the diabetic kidney. *Hypertension.* 56:e55, 2010 (Oral Presentation)
73. Sen X, Bivona BJ, Jin D, Takai S, **Harrison-Bernard LM**. Reduced renal vascular ACE activity in diabetes. *FASEB J.* 25:665.1, 2011
74. **Harrison-Bernard LM**, Bivona BJ. Enhanced afferent arteriole vasoconstriction following conversion of Big ET 1-38 in the diabetic kidney. *Hypertension.* 58:e139, 2011 (Poster Presentation)
75. **Harrison-Bernard LM**, Berner PM, Zhang X, Husain A, Naqvi N. Chymase: Augmented renal tubular localization in diabetes. *Hypertension.* 60: A393, 2012 (Poster Presentation)
76. Wood KA, Ford SM, Berner PM, Naqvi N, Husain A, **Harrison-Bernard LM**. Chymase protein expressed in principal cells of inner medullary collecting ducts in diabetic kidney disease. *FASEB J.* 27:702.1, 2013
77. Ford SM, Berner PM, **Harrison-Bernard LM**. Switch from ACE to chymase mRNA expression in diabetes in enriched renal vascular tissues harvested by manual sieving. *FASEB J.* 27:1110.9, 2013
78. Ford SM, Wood KA, Berner PM, Naqvi N, Husain A, Kashlan OB, Kleyman TR, **Harrison-Bernard LM**. Enhanced tubular chymase protein expression in diabetic kidneys activates the epithelial sodium channel (ENaC). *Hypertension.* 62: A502, 2013 (Poster Presentation)
79. Souza-Smith FM, Braymer HD, Allerton TD, Tzeng TH, **Harrison-Bernard LM**, Primeaux SD. Expression of inflammatory markers in visceral fat of obesity-prone rats is increased by high fat diet consumption. *FASEB J.* 29: LB658, 2015
80. Primeaux SD, Souza-Smith F, Poret J, Mouton AJ, Marcell SJ, Battle CA, Braymer HD, **Harrison-Bernard LM**. Adipose inflammation and cardiovascular disease risk factors in obesity-prone Osborne-Mendel and obesity-resistant S5B/PI rats. *FASEB J.*, 2016
81. **Harrison-Bernard LM**, Augustus-Wallace AC, Souza-Smith FM, Tsien F, Casey GP. Diversity Training Workshop for Graduate Faculty and Students. *FASEB J.* 32(1): 773.11, 2018 (Poster Presentation)
82. **Harrison-Bernard LM**, Naljayam MV, Mercante DE, Gunaldo TP, Edwards S. Longitudinal interprofessional education in a graduate physiology course. *FASEB J.* 33(1): 766.4, 2019 (Poster Presentation)
83. **Harrison-Bernard LM**, Augustus-Wallace AC, Basha M, Tsien F. Creating new graduate level courses for the postbaccalaureate research education program scholars. NIH NIGMS Training, Workforce Development, and Diversity Program Directors' Meeting, 2019. (Poster Presentation)
84. Basha M, Rigterink K, **Harrison-Bernard LM**, Morales N, Harris D, Gunaldo TP. Student

- perception of a reflective lifestyle modification assignment within an undergraduate nursing physiology course. EB Meeting, 2021.
85. Marcela Herrera M, Matthew S, **Harrison-Bernard LM**, Coffman TM. Antibody-based detection of Angiotensin receptors in the kidney. Challenges and implications in studying regulatory mechanisms. PANAM Physiology, Chile, 2023.
  86. **Harrison-Bernard LM**, Augustus-Wallace AC. Unlocking success: innovative graduate courses and workshops for LSU PREP scholars. 2024 Biomedical Training Program Directors' Conference. (Poster Presentation)

### Research Grant Review Committee

12/2001	NIDDK. RFA DK-01-016. Center of Excellence in Pediatric Nephrology. Scientific Review Administrator: Dan E. Matsumoto, Ph.D.
2002	Ad Hoc Reviewer for the Veterans Administration Research Fund
2004	Invited Pre-Review for the Veterans Administration Research Fund
9/2005	Ad Hoc Reviewer for NIH Hypertension and Microcirculation Study Section; Scientific Review Administrator: Ai-Ping Zou, PhD; Chairperson: Walter N. Duran, PhD (service postponed due to Hurricane Katrina)
04/2008	Greater Southeast Affiliate American Heart Association (AHA) Peer Review Committee Member R2-Cardiorenal: Chairperson: Michael W. Brands, PhD
2009	Swiss National Science Foundation
04/2011	AHA Peer Review Committee Member R1-Cardiorenal: Chairperson: John N. Lorenz, PhD
06/2011	Ad Hoc Reviewer for NIH Hypertension and Microcirculation Study Section; Scientific Review Administrator: Ai-Ping Zou, PhD; Chairperson: Marc Kaufman, PhD
10/2011	Ad Hoc Reviewer for NIH Vascular and Hematology Study Section; Council ZRG1 VH-D 90S; Scientific Review Administrator: Ai-Ping Zou, PhD
04/2012	Co-chairperson of the AHA Peer Review Committee R1-Cardiorenal: Chairperson: David Stec, PhD
06/2012	Ad Hoc Reviewer for NIH Vascular and Hematology Study Section; Council ZRG1 VH-D 90S; Scientific Review Administrator: Ai-Ping Zou, PhD
10/2012	AHA Peer Review Committee Member CardioRenal Basic Science 1: Chairperson: David Stec, PhD
12/2012	External Reviewer, The British Diabetic Association Grant Reviewer
04/2013	AHA Peer Review Committee Member CardioRenal Basic Science 1: Chairperson: David Stec, PhD
10/2013	Ad Hoc Reviewer for Special Emphasis Panel/Scientific Review Group 2014/01 HLBP 1; NHLBI Program Project Grant Reviewer; Scientific Review Administrator: Jeffrey Hurst, PhD
11/2013	External Reviewer: Ochsner Translational Medicine Research Initiative
09/2015	AHA Peer Review Committee Member CardioRenal Basic Science 1: Chairperson: Jennifer Sullivan, PhD
03/2016	AHA Peer Review Committee Member CardioRenal Basic Science 2: Chairperson: JJ Ramirez, PhD
06/2016	Ad Hoc Reviewer for NHLBI Special Emphasis Panel/Scientific Review Group 2016/10 ZHL1 CSR-F (O2) 1 Mentored Career Development Award to Promote Faculty Diversity in Biomedical Research (K01)
06/2016	External Reviewer: Ochsner Translational Medicine Research Initiative
10/2016	AHA Peer Review Committee Member CardioRenal Basic Science 3: Chairperson: J Miner, PhD
05/2017, 02/2018	AHA Peer Review Co-Chair CardioRenal Basic Science 1: Chairperson: J Sullivan, PhD
10/2017	Czech Health Research Council

10/2017	NIGMS Education and Training Study Section Member
02/2018	King Abdulaziz City for Science and Technology Basic Research Grant Program
06/2019	Ad Hoc Reviewer for NIH-NIGMS Training, Workforce, Development and Diversity (TWD), Review of PREP Applications, Subcommittee - D
09/2019	AHA Peer Review Chair CardioRenal Basic Science 1
04/2020	Ad Hoc Reviewer for NIH-NIGMS Training, Workforce, Development and Diversity (TWD), Review of IPERT Applications, ZGM1 TWD-7
10/2020	Ad Hoc Reviewer for NIH-NIGMS Training, Workforce, Development and Diversity (TWD), Review of U-RISE, G-RISE Applications
11/2020	Florida Department of Health James and Esther King Biomedical Research Program
04/2021	Ad Hoc Reviewer for NIAID Special Emphasis Panel/Scientific Review Group 2021/05 ZAI1 PP-D (M1) of NIAID R25 Applications
06/2021	Ad Hoc Reviewer for Training, Workforce, Development and Diversity (TWD), Review of PREP Applications
08/2021 - 06/2025	Regular Member of NIH-NIGMS TWD-D Training and Workforce Development Study Section
08/29/2023	NSF Leading Cultural Change through Professional Societies of Biology (BIO-LEAPS) Panel P232536
11/05/2023	Florida Department of Health James and Esther King Biomedical Research Program
12/01/2023	Ad Hoc Reviewer for National Institute of Allergy and Infectious Diseases (NIAID) Special Emphasis Panel/Scientific Review Group 2024/05 ZAI1 PP-D (M1) of NIAID R25 Applications
02/01/2024	Howard Hughes Medical Institute Gilliam Fellowship Review Board
03/06/2025	
01/17/2025	Chan Zuckerberg Initiative's Science Diversity Leadership Award

#### **Program External Reviewer**

01/2017	External Review of Wake Forest School of Medicine Post-baccalaureate Research Education Scholars Program, Winston-Salem, NC
---------	---

#### **Education Program External Reviewer**

04/2024	Review of Educational Quality of Renal Block for Lauren Stern, MD, C. James McKnight, PhD and Christopher M. Schonhoff, PhD Departments of Medicine and Nephrology; Pharmacology, Physiology & Biophysics Boston University Chobanian & Avedisian School of Medicine
12/2024	Review of Medical Renal Physiology Lectures for Ryan Downey, PhD American University of the Caribbean School of Medicine

#### **Promotions Committees**

03/2021	Pennington Biomedical Research Center
03/2024	Pennington Biomedical Research Center
03/2025	Pennington Biomedical Research Center

#### **Invited Presentations and Seminars**

#### **Plenary Lectureships or Refresher Courses at Professional Meetings/Symposia**

**International**

- 06/2000 Angiotensin II Receptor Blockade: Effects Beyond Blood Pressure Control Scientific Meeting. Title: "Blockade of Renal AT<sub>1B</sub> Receptors by Candesartan" Prague, Czech Republic
- 04/2005 Workshop on Angiotensin II Receptor Blockade. Title: "Direct Evidence of Blockade of Renal Microvascular AT1A and AT1B Receptors by Candesartan", Chantilly, France

**National**

- 07/1995 FASEB Summer Research Conference: Renal Hemodynamics - Vascular Biology of the Renal Circulation. Title: "Juxtamedullary Efferent Arteriolar Blood Flow Autoregulation", Saxtons River, VT
- 07/1998 FASEB Summer Research Conference: Renal Hemodynamics - Integration of Endothelial, Epithelial and Vascular Control Mechanisms. Title: "Hormonal Regulation of the Renal Medullary Circulation", Saxtons River, VT
- 07/2001 FASEB Summer Research Conference: Renal Microcirculatory Hemodynamics - Molecular, Cellular, Physiologic, Clinical and Integrative Mechanisms. Title: "Angiotensin Receptor Expression in the Kidney", Saxtons River, VT
- 04/2002 Experimental Biology (EB) Meeting. Title: "Angiotensin Responses in the Renal Microvasculature", New Orleans, LA
- 05/2004 American Society of Hypertension. Plenary Session Title: "Angiotensin II in the Regulation of the Renal Microvasculature: Lessons from Genetic Mouse Models", New York, NY
- 06/2004 FASEB Summer Research Conference: Renal Microcirculatory and Tubular Dynamics: Molecules to Man. Title: "Angiotensin Receptor Function in the Renal Microcirculation", Pine Mountain, GA
- 04/2007 EB Meeting. Physiology Understanding (PhUn) Week Training Session. Title: "Effective Teaching Methods for High School Students", Washington, DC
- 04/2008 EB Meeting. Physiology Understanding (PhUn) Week Training Session. Title: "Food Labels/Nutrition Effective Teaching Methods for Elementary School Students", San Diego, CA
- 04/2009 EB Meeting. American Physiological Society Teaching Refresher Course in Renal Physiology Symposium. Title: "Renin Angiotensin System", New Orleans, LA
- 04/2010 EB Meeting. Symposium Title: Mouse Models of Diabetic Renal Disease Symposium. Title: "Role of ACE-dependent and ACE-independent pathways in diabetic renal disease", Anaheim, CA
- 02/2012 Gordon Conference - Angiotensin: Emerging and Evolving Paradigms in the Renin Angiotensin System. Session Topic: Breaking News in the Cardio-Renal RAS: Focus on Chymase and Mast Cells. Title: "Targeting Renal Chymase in Diabetic Nephropathy: Why ACE Inhibition is Not Enough", Ventura, CA
- 11/2013 American Society of Nephrology. Symposium Topic: More than just ACE inhibitors: new targets for treatment of diabetic nephropathy. Title: "Not an ACE in the Hole: Chymase and Serine Proteases as a Target in Diabetic Nephropathy", Atlanta, GA
- 04/2016 EB Meeting. Symposium Topic: A Scientific Foundation for Clinical Practice: More Than a Pile of Facts. Title: "Perspectives from Teaching Human Physiology in a Medical School: Tailoring Concepts to Align with Clinical Practice", San Diego, CA

**Visiting Professorships or Seminars**

**International**

04/2005 Pathologie Vasculaire et Endocrinologie Rénale, Collège de France. "Genetic Mouse Models of AT1 Receptor Subtypes: AngII Function in the Renal Microvasculature", Paris, France

**National**

07/1999 Division of Nephrology and Hypertension, Veterans Affairs Medical Center, University of Minnesota Medical School. "Regulation of Angiotensin II Type 1 Receptor in Hypertension", Minneapolis, MN

05/1999 Department of Physiology & Biophysics, University of Nebraska College of Medicine. Title: "Angiotensin II type 1 Receptor Regulation in Hypertension", Omaha, NE

03/2004 Division of Nephrology and Hypertension, Department of Medicine, Georgetown University. "Angiotensin II Type 1 Receptors in Renal Microvascular Physiology", Washington, DC

09/2007 Cardiovascular Seminar Series, University of Kentucky. "Control of the Renal Microvasculature by Angiotensin II", Lexington, KY

12/2007 Department of Physiology & Biophysics, University of Mississippi. "Angiotensin Converting Enzyme Independent Pathways for Angiotensin II Formation in the Diabetic Kidney", Jackson, MS

02/2016 Baptist Cardiac and Vascular Institute, American Heart Association Greater Southeast Affiliate, Cardiovascular Symposium, Keynote Speaker: "Heart Disease Research: What's on the Horizon", Pensacola, FL

01/2017 Department of Surgery/Hypertension & Vascular Research. "Renal Angiotensin Converting Enzyme Independent Pathways for Angiotensin II in Diabetes", Winston-Salem, NC

09/2021 College of Pharmacy Graduate Program Seminar, Nova Southeastern University. "Combating Racial Inequities in Science", Davie, FL

12/2021, 12/2022, 12/2023, 12/2024 APS, Porter Fellows "Justice, Equality, Diversity, Inclusion"

**Local**

1995 Archbishop Blenk High School. "What Are Possible Career Choices in the Sciences?"

1999 American Heart Association (AHA) Quarterly Regional Staff Meeting. "AHA - View on Basic Research"

2000 Annual Heart Smart Seminar "Inside Edition: AHA Scientific Research", Ruston, LA

2000 Television Interview for WVUE Health Quest. "Research Funding by the AHA" in Association with the AHA Gala Event

2001 Tulane University Health Sciences Center (TUHSC) Renal, Hypertension and Cardiovascular Conference. "Angiotensin II Effects on the Renal Microvasculature: Role of AT<sub>1A</sub>, AT<sub>1B</sub> and AT<sub>2</sub> Receptors"

2003 Workshop on Grant Writing and Grantsmanship Hosted by TUHSC and Xavier Universities. "How to Become a First-Time Recipient of an NIH RO1 Grant"

2003 LSUHSC Gene Therapy. "Angiotensin II in the Regulation of the Renal Microvasculature: Lessons from Genetic Mouse Models"

2003 LSUHSC Department of Physiology. "Angiotensin II Receptor Function in the Renal Microvasculature"

05/2006 LSUHSC Department of Pharmacology & Experimental Therapeutics. "Genetic Evidence for AT1 Receptor Subtype Function in the Renal Microvasculature"

09/2006 LSUHSC Department of Physiology. "Diabetic Renal Vascular Dysfunction"

11/2007	TUHSC Department of Physiology. "Renin-Angiotensin System in Type II Diabetic Renal Disease"
03/2008	TUHSC Hypertension and Renal Center of Excellence. "ACE-Independent Pathways in Diabetic Renal Vascular Disease"
03/2008	LSUHSC Section of Nephrology and Hypertension. "Novel Pathways for ANGII Generation in Diabetic Renal Vascular Disease"
03/2008	LSUHSC Department of Physiology. "Renal Microvascular Responses Induced by ACE-Independent Generation of Angiotensin II in Type II Diabetes"
04/2010	TUHSC Department of Physiology. "Chymase: the other ACE?"
09/2010	LSUHSC Section of Nephrology and Hypertension. "Targeting Chymase in the Treatment of Diabetic Nephropathy"
02/2011	TUHSC Department of Pharmacology. "Direct Evidence for Intrarenal Chymase-Dependent Angiotensin II Formation on the Diabetic Renal Microvasculature"
05/2013	TUHSC Department of Physiology. "Targeting Renal Chymase in Diabetic Nephropathy"
10/2013	LSUHSC Department of Physiology. "New Therapeutic Approaches for the Treatment of Diabetic Kidney Disease"
03/2015	LSUHSC Section of Nephrology and Hypertension. "Diabetic Nephropathy: ACEi is Not Enough"
09/2015	University of New Orleans. "Diabetes and Kidney Disease"
05/2016	LSUHSC Physical Medicine and Rehabilitation. "Living with Complex Regional Pain Syndrome"
05/2017	LSUHSC Physical Medicine and Rehabilitation. "High Frequency Spinal Cord Stimulation for Complex Regional Pain Syndrome"
10/2018	Tulane Department of Physiology Symposium. "The Benefits of Being Mentored by L. Gabriel Navar, PhD."
03/2022	Tulane Department of Physiology Distinguished Alumna Award. "Building a Postbaccalaureate Research Program in the Biomedical Sciences"

## Editorial Posts and Activities

### Journal Editorships or Associate Editorships

2000 - 2011	Editorial Review Board Member of the <i>American Journal of Physiology: Heart &amp; Circulatory Section</i>
2004 - 2007	Editorial Review Board Member of <i>Hypertension</i>
2010 - 2021	Editorial Review Board Member of <i>Frontiers in Renal and Epithelial Physiology</i>
2011 - Present	Editorial Review Board Member of the <i>American Journal of Physiology: Renal Physiology</i>
2011 - Present	Editorial Review Board Member for <i>Gender Medicine, The Journal for the Study of Sex and Gender Differences</i>
2013 inaugural - 2024	Editorial Board Member of <i>Physiological Reports</i>
2015 - Present	Editorial Board Member of <i>Life Science Teaching Resource Community</i>
2016 - Present	Editorial Board Member of <i>Diabetes Research-Open Journal</i>
2020 - 2023	Editorial Board Member of <i>Advances in Physiology Education</i>
2020 - 2025	Editorial Board Member of International Journal of Molecular Sciences
2020	Guest Editor of International Journal of Molecular Sciences for "Diabetic Kidney Disease"
2021 - 2025	Associate Editor of <i>Frontiers in Renal and Epithelial Physiology</i>
2023 - Present	Associate Editor of <i>Advances in Physiology Education</i>

## **Ad Hoc Reviewer Status**

Acta Physiologica  
American Journal of Medical Sciences  
American Journal of Physiology  
    Cell Physiology  
    Endocrinology and Metabolism  
    Heart and Circulatory Physiology  
    Regulatory, Integrative and Comparative Physiology  
Antioxidants  
Biopharma  
BioMed Central Nephrology  
BMC Pharmacology and Toxicology  
Circulation  
Circulation Research  
Ethnicity and Disease  
Experimental Physiology  
Hypertension  
Hypertension Research  
Journal of the American Society of Hypertension  
Journal of Clinical Medicine  
Journal of Histochemistry and Cytochemistry  
Journal of Hypertension  
Journal of Molecular Sciences  
Journal of the American Society of Nephrology  
Kidney and Blood Pressure Research  
Kidney International  
Molecules  
Peptides  
PLOS ONE  
Qeios

## **SERVICE ACTIVITIES**

### ***Tulane University Health Sciences Center***

1995 - 2000	Chair, Library and Educational Aids
1995 - 2003	Seminar Series
1998 - 2001	Renal Research Conference
1998 - 1999	Burroughs Wellcome Fund/FASEB Wellcome Visiting Professorship the Basic Sciences, Professor Pierre Corvol, Professor and Chairman of the Department of Experimental Medicine and Research, Director of Vascular Pathology and Renal Endocrinology, INSERM U36 at the Collège de France, Paris, France
2000 - 2001	Graduate Studies and World Wide Web
2000 - 2003	Chair, Women in Physiology Scientists' Monthly Business Meetings
2000 - 2003	Library and Educational Aids
2001 - 2003	Graduate Studies
2001 - 2003	Biomedical Engineering and Undergraduate Liaison
2002 - 2003	Director, HEF/COBRE Digital Imaging Core Facility
2003 - 2003	Facilities, Space and Shop

### ***Louisiana University Health Sciences Center*** **Health Sciences Committee**

2021 - 2025	Institutional Work Group on DEI Education
-------------	---

### **School of Medicine Committees**

2006 - 2007	Institutional Biosafety
2007 - Present	Sabbatical Leave
2010 - Present	Women's Affairs
2011 - 2013	Faculty Assembly Alternate Delegate for Basic Sciences
2011 - Present	Academic Standards
2012 - 2016	International Travel
2013 - 2016	Faculty Assembly Delegate for Basic Sciences
2016 - Present	Curriculum Subcommittee on Addressing Cultural Competencies
5/2018	Ad Hoc Reviewer for Research Education Fund Grants
2018	Academic Collaboration for Health Equity
2020 - Present	Appointments and Promotions
2021	Chair of Cell Biology and Anatomy Search
2021 - Present	Nephrology Interest Group Faculty Advisor
2022	Counsel on Student Professional Conduct Appeals
2023 - Present	Admissions
2025 - Present	Tiger Scholars Enrichment Program Admissions

### **Special Assignments**

2016 – 2020	LCME Self Study Subcommittee 7 – Curricular Content
2024 – 2025	LCME Co-Lead - DEI and Learning Environment

### **School of Graduate Studies Committee**

2018 - Present	Recruitment
2023 - Present	Graduate Advisory Council: Biomedical Sciences Advisory Council
2023 - Present	Graduate Advisory Council Membership
2023 - Present	Hunger-Free Task Force
2024	MD/PhD Admissions

### **Physiology Departmental Committees**

2004 - 2005	Chair Directors of Core Facilities
2004 - 2005	Director Molecular Core Facility
2004 - 2008,	Faculty Search
2011 - 2016	
2008 - 2012	Director Seminar Series
2010 - 2014,	Graduate Student
2017 - 2024	
2010 - 2014,	Chair Graduate Student Mentoring
2017 - 2024	
2014 - 2024	Graduate Student Recruitment Task Force
2018 - 2024	Chair Training and Mentoring Task Force
2021 - 2024	Chair Promotions and Tenure
2021 - Present	Chair Diversity, Equity, and Inclusion

### **Scientific Service**

2000	Featured Speaker for the Fifth Annual Heart Smart Seminar at the Lincoln General Hospital - "Inside Edition: American Heart Association (AHA) Scientific Research", Ruston, LA
2000	Television Interview Held in the Tulane Microcirculation Lab Discussing Research Funded by the Louisiana AHA for WVUE Health Quest
2000	Spokesperson for AHA Gala Event

2007, 2009, 2010 2012, 2023 04/2009	Judge for LSUHSC Graduate Research Day Undergraduate Poster Presentation Judge for the American Physiological Society (APS) David Bruce Award at Experimental Biology (EB) Meeting, New Orleans, LA
04/2010	Undergraduate Poster Presentation for the APS Judge for David Bruce Award at E Meeting, Anaheim, CA
10/2012	College of Sciences Career Seminar at University of New Orleans (UNO), LA
09/2014	Fall Resume and Cafe au Lait Resume Review Workshop by the Alumni Association Student Success Committee at the UNO
11/2015	Xavier University Tri Beta Club "Graduate Education: Physiology Recruitment"
04/2016	Recognized by the APS as a Five-Year Participant in Physiology Fun Week (PhUn Week)
10/2016	Society for Advancement of Chicanos and Native Americans in Science Undergraduate Poster and Oral Presentations Mentor Judge for Biomedical Sciences: Physiology, Pathology, and Pharmacology
11/2016, 11/2017 11/2020, 11/2024	Annual Biomedical Research Conference for Minority Students (ABRCMS) - Undergraduate Poster Presentations Mentor Judge for Physiology
11/2016	AHA Scientific Sessions, Impact Tour Guide
04/2017	Recognized by the APS as a Ten-Year Participant in Physiology PhUn Week
11/17/2017	Louisiana State University Undergraduate Research Conference Symposium Speaker "Explore Academic Pipeline Programs at Louisiana Health Sciences Center – New Orleans"
01/12/2020 02/25/2021 02/16/2022 02/28/2023	The Greater New Orleans Science and Engineering Fair (GNOSEF) Judge
2020 - Present 2021, 2022, 2023	Team Up Grader APS Barbara A. Horwitz and John M Horowitz Awards for Excellence in Undergraduate Research Abstract Judge
03/01/2022	ENVISION Research Competition 2021-2022 Judge
04/22/2023	APS Summit, Panel Discussant "Master the Art of the Humble Brag with the DEI Committee"
10/23/2023	LSUHSC School of Medicine Research Day Judge
11/02/2023	LSUHSC School of Graduate Studies Research Day Judge
09/13/2024	ABRCMS Abstract Reviewer
10/03/2024	National Hispanic Science Network Poster Judge

### **Community Service Activities**

#### American Physiological Society Physiology Fun Week (PhUn Week)

2005	Third Grade, St. Benilde Elementary, Metairie, LA
12/2006	Fifth Grade, St. Benilde Elementary, Metairie, LA
12/2006	Tenth Grade, Archbishop Rummel High, Metairie, LA
03/2008	Sixth Grade, St. Benilde Elementary, Metairie, LA
11/2008	Fourth Grade, Banneker Benjamin Elementary, New Orleans
11/2010	Fourth Grade, St. Catherine of Siena Elementary, Metairie, LA
11/2011	Sixth & Seventh Grade, St. Benilde Elementary, Metairie, LA
04/2014	Fourth Grade, St. Catherine of Siena Elementary, Metairie, LA
01/2016	First Grade, Crocker College Prep, New Orleans, LA
01/2017	First Grade, Homer Plessy, New Orleans, LA

#### Association of Women in Science-Southern Louisiana

06/2014	Girl Scout STEM Extravaganza Science Experiment "PhUn with pH"
06/2014	St. Joseph Church Rebuild Center Serve Lunch to Homeless
07/2014	New Orleans Public Library "Women Role Models in STEM Fields"
07/2014	Rosa F Keller Public Library "Heart Health"
06/2015	Milton H. Latter Memorial Library "Every Hero Has a Story"
05/13/2017	Girl Scouts Health and Science Fair "Where are your Organs"
10/21/2017, 09/29/18	Girl Scouts Louisiana East Believe In Girls Believe In Girls (B.I.G.) event
09/23/23, 10/12/24	sponsored by the Girl Scouts 'Dress Like Scientist'
10/21/2017	Panel Discussant Believe In Girls (B.I.G.) event sponsored by the Girl Scouts
07/14/25	Speed Mentoring and Networking Event

Other Education Outreach Events

1999 - 2002	Captain Physiology American Heart Association Walk
2007	Host Students from Ben Franklin High School, New Orleans, LA for Tour of Research Laboratory
2009 - 2013	American Physiological Society Science Fair Judge St. Benilde Elementary, Metairie, LA
04/2009	Shadow-a-Scientist K-12 Outreach Held at LSUHSC for 10 <sup>th</sup> Grade High School Students
03/2012	Career Day Seminar at Archbishop Chapelle High School, Metairie, LA

Updated 07-08-2025